

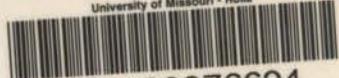
# Rollamo

1945



MISSOURI SCHOOL OF MINES AND METALLURGY

University of Missouri - Rolla



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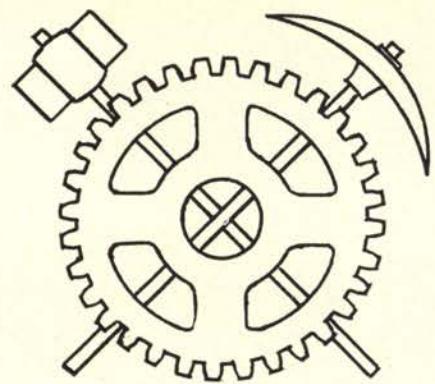
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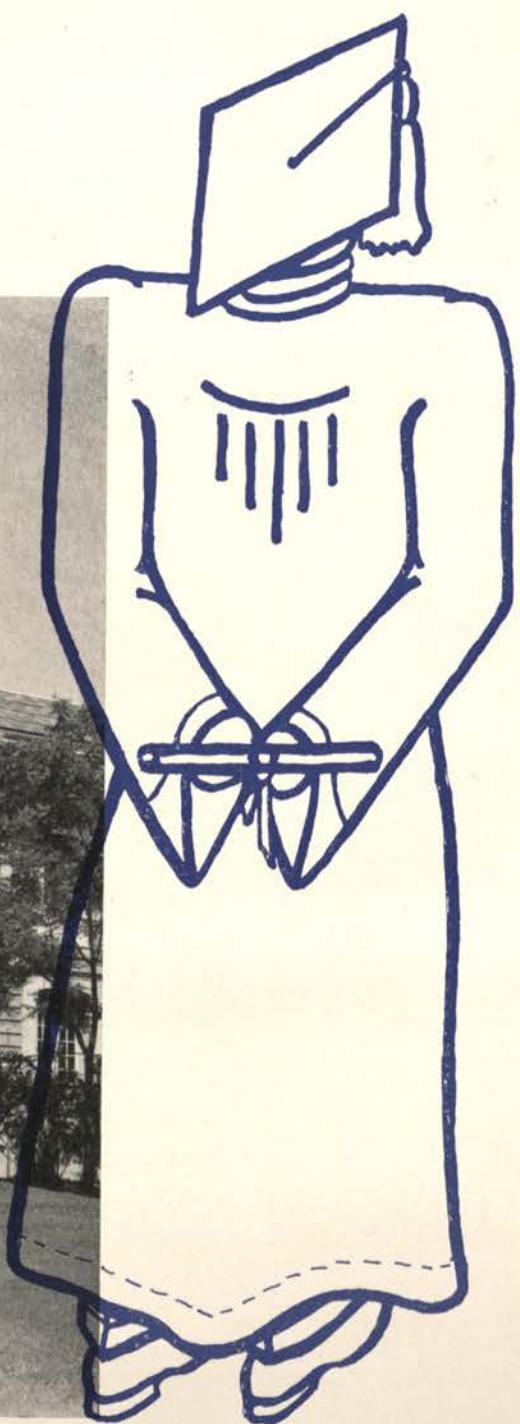
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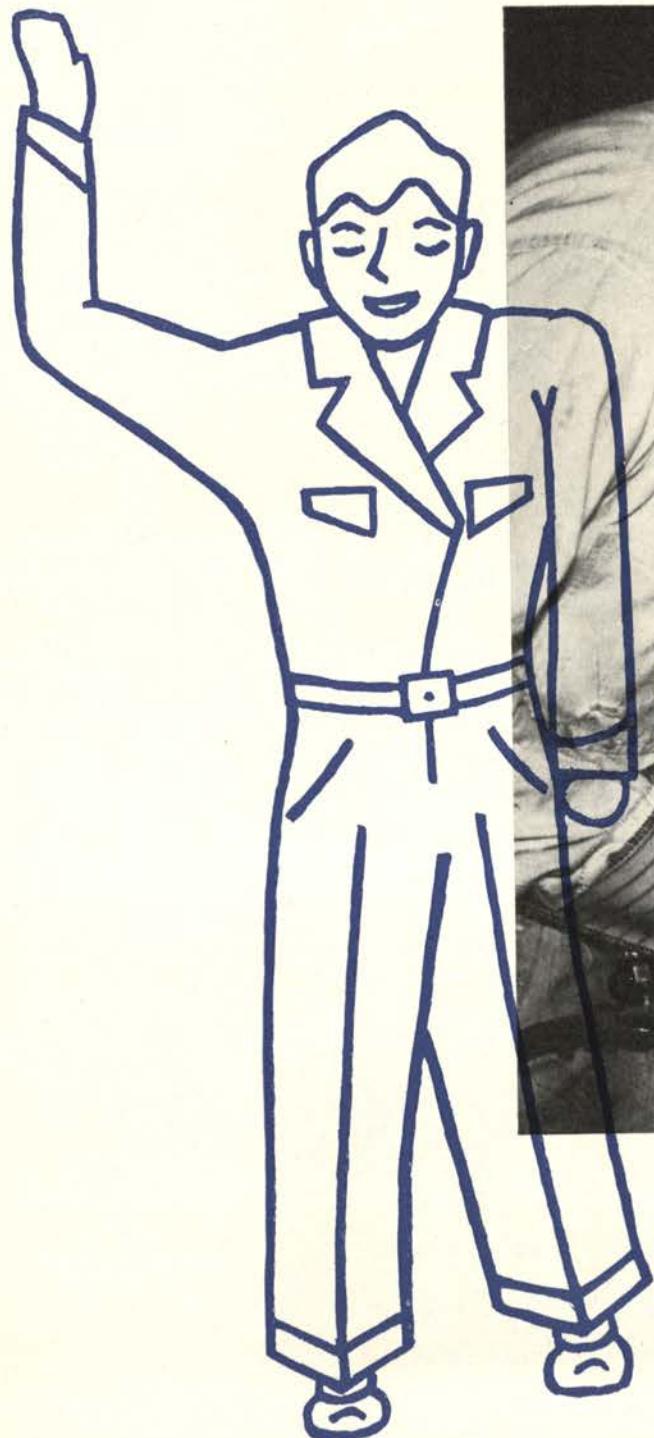
# RollaMoo

MISSOURI SCHOOL of the  
of the MINES and METALLURGY

Dedicated to the American  
Industries served by Graduates  
of the Missouri School of Mines.

# From School to Industry— One Big Step in Service





1. College
2. Student Activities
3. Sports
4. Scrap Book
5. Diary and Ads



## Dean Wilson

Dean Wilson, who has been with the Missouri School of Mines for four years, has performed a truly creditable job in guiding the school on its way through the years. His capable direction coupled with a truly magnetic personality has won the lasting admiration and support of the student body. The Dean is well qualified for his position, having received his E.M. in 1920 at Montana School of Mines and his Ph.D. in 1928 at the University of Goettingen. His keen sense of humor and his careful decisions have established him on the campus as the student's man. We feel sure that with our Dean, M. S. M. will continue to advance rapidly both academically and materially.

## NOEL HUBBARD

*Registrar*

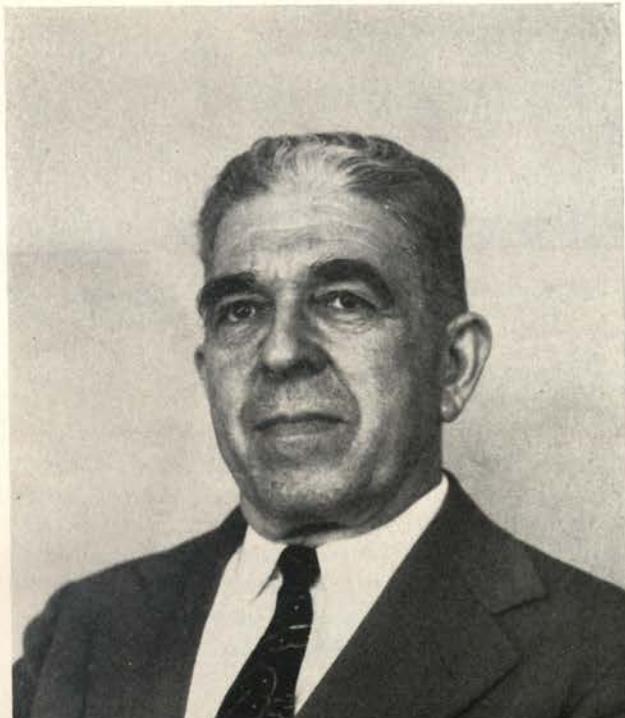
Through his position as Registrar of the Missouri School of Mines, Mr. Hubbard has won the lasting admiration and appreciation of the student body. His capable work and untiring efforts have become one of the main factors in the growth of the school. He is always anxious to help the students at any time and his efforts in their behalf have certainly made him everybody's friend. He will long be remembered for his enduring patience and his loyalty to the school.



## HOWARD KATZ

*Acting Business Manager*

One of the busiest men on the campus, Mr. Katz has certainly proved himself to be capable for his position through his careful and efficient work. He received his B.S. in 1913 at the Missouri School of Mines, and has served the school for the past nine years. His ceaseless and invaluable service has certainly done much to keep the Missouri School of Mines in the position it now holds.



# COLLEGE



DR. E. E. FEIND

Dr. Feind has been Student Health Director for many years and has capably carried out his work in caring for the health of students attending school. He received his B.S. in 1931 at South Dakota and his M.D. in 1933 at Nebraska. Among the services which Dr. Feind contributes are free hospital consultation during office hours, minor surgical operations at the request of students, X-ray examinations, and vaccinations.



HOSPITAL

The School of Mines and Metallurgy administers its student health service through the School Dispensary and Infirmary which are under the direct supervision of the Student Health Director. Medical care and hospital attention are offered free to students during terms for which they are registered and in attendance. The hospital is small but well equipped to handle any ordinary cases of sickness or injury.



LIBRARY

The Library, which occupies the second floor and part of the basement of Parker Hall, consists of a large, well-lighted reading room, a suite of offices and work rooms, and a double-deck Snead stack. A large collection of about 70,000 carefully selected volumes supplemented by a large number of pamphlets and bulletins are made available to the students. Both recreational and cultural reading may be obtained from the various general magazines, and books of fictional, biographical, and scientific nature. The re-



sources of the library are made more available to the students through the excellent cataloging system employed.

G. L. CAMPBELL

Mr. Campbell has served the Missouri School of Mines and Metallurgy as Librarian and Cataloger since 1939, and has proved himself to be very capable and efficient. He is well qualified for this position, having earned a B.S. in Science at Purdue in 1937, and a B.S. in Library Science at Illinois in 1938.

# COLLEGE



## DRAWING

The aim of all drawing courses is to prepare the student to do creditable professional work in engineering planning or in a drafting office. This subject presents the underlying principles of drafting and at the same time gives enough practical work to fix the principles in the students mind.

**MANN, C. V., Professor of Engineering Drawing and Descriptive Geometry**

B.S. in C.E., 1914; C.E., 1921, Colorado; Ph.D., 1929, Iowa

**SCHOOLER, D. R., Assistant Professor of Engineering Drawing and Descriptive Geometry**

B.S., 1926, E.M., 1944, Missouri School of Mines

## ECONOMICS AND HISTORY

Some of the courses taught in this department are primarily professional in purpose—such courses, that is, as Accounting, Engineering Economics, Industrial Organization and Management, and Personnel Management. Other courses are designed to provide an understanding of man's past, of how mankind has reached its present stage of cultural development; of the mechanisms of contemporary political, social, and economic institutions; and of the principles of human behavior, a knowledge of which makes possible the prediction of individual and group reactions to the physical and social environments.

**LLOYD, S. H., Associate Professor of Economics and History**

A.B., 1918, Depauw; M.S., 1921, Missouri School of Mines

**ROBERTS, C. N., Instructor in History**

B.S., 1935, M.S., 1936, Missouri

## ENGLISH

The English Department aims (1) to train students in the mechanics and style of communication; (2) to enlarge the intellectual range of the student so that he may more fully and effectively live with his fellow men. The first is achieved by instructing the student in the most effective methods of oral and written communication; the second through a study of the world's greatest literature; and the two aims are inseparable.

**GUEST, C. B., Associate Professor of English**

B.S. in Education, 1931, Delta State Teachers College; M.S. in English, 1932, Alabama Polytechnic Institute; Ph.D., 1943, Wisconsin.

**CAGG, M. H., Assistant Professor of English**

B.S., 1917, A.B., 1920, Ohio University; M.A., 1921, Ohio State

**BOYD, C. E., Instructor in English**

A.B., 1928, A.M., 1937, Michigan

# COLLEGE

## GEOLOGY AND MINERALOGY

This department has as its objective the training of students in the fundamental principles of geological science, and the application of that training to various engineering problems in the fields covered by the "mineral industries" curricula. Emphasis in this course is placed on practical applications that will train the student thoroughly for a career in the geology field.

### MUILENBERG, G. A., *Professor of Geology*

B.A., 1912, M.S., 1913, Iowa; E.M., 1925, Missouri School of Mines; Ph.D., 1925, Columbia

### GRAWE, O. R., *Associate Professor of Mineralogy*

A.B., 1922, M.S., 1924, Washington; Ph.D., 1927, Iowa

### CULLISON, J. S., *Assistant Professor of Geology*

A.B., 1928, Illinois; M.S., 1930, Missouri School of Mines; Ph.D., 1942, Yale



## MATHEMATICS

Mathematics is the foundation of all science, both pure and applied, and is therefore a necessary working tool of the engineer. The Department of Mathematics has as its object the training of students in the fundamental operations of the various branches of the subject along with a certain amount of application to elementary engineering problems. For the more advanced work in mathematics applications rather than pure theory are stressed.

### RANKIN, R. M., *Associate Professor of Mathematics*

A.B., 1916, Maryville (Tenn.) College; A.M., 1922, Chicago; B.S. in C.E., 1927, Missouri School of Mines

### DENNIE, F. E., *Associate Professor of Mathematics*

B.S. in C.E., 1909, Brown

### GOODHUE, E. A., *Assistant Professor of Mathematics*

A.B., 1917, Amherst; B.S., 1920, California Institute of Technology; M.S., 1927, Missouri School of Mines

### ERKILITIAN, D. H., *Instructor in Mathematics*

A.B., 1936, Western Kentucky; M.A., 1938, Illinois

### CARPENTER, F. M., *Instructor in Mathematics*

B.A., 1936, Centre College; M.A., 1941, Illinois

## MECHANICS



The purpose of the Mechanics Department is to teach the students the principles of that science which treats the effects of forces on bodies. Since the engineer is continually faced with problems involving the control and utilization of forces, the subject of mechanics has become a basic course.

WILLIAMS, R. Z., *Associate Professor of Mechanics*

B.S. in Met., 1931, B.S. in C.E., 1937, Missouri School of Mines; M.S., 1936, Wisconsin.

## MILITARY SCIENCE AND TACTICS



The military training received at the Missouri School of Mines is of personal value to the college students in both industrial and professional careers. The young man, at an impressionable age, absorbs habits of courtesy, punctuality, and self-control, learns the value of organization, is developed physically, and is taught the fundamentals of leadership.

RICHARDSON, EDWARD C., *Major, Corps of Engineers; Professor of Military Science and Tactics*

B.S. in C.E., University of Nebraska in 1927; commissioned 1st Lt. in 1940; progressive promotion to Major in 1944; P.M.S. & T. at M.S.M. in fall of 1944.

BRENDLE, B. L., *Sgt., Record and Supply Sergeant*

B.S. in Business Administration in 1937, American Institute of Business; Entered Army, 1942; N.C.O., 1943; Sgt. Rating, 1944

## PHYSICS

The Physics Department tries to give the student a basis in the mechanics of solids, liquids, gases, heat, electricity and magnetism, and sound and light. It is a basis of all engineering as well as a science itself. Courses, other than fundamental, are offered to those who wish to major in physics.

WOODMAN, L. E., *Professor of Physics*

A.B., 1899, A.M., 1902, Dartmouth; Ph.D., 1910, Columbia

JENSEN, W. J., *Associate Professor of Physics*

A.B., 1920, Carleton College; A.M., 1922, Illinois

WILLSON, J. M., *Assistant Professor of Physics*

B.S. in General Science, 1929, M.S., 1931, Missouri School of Mines

LEAVER, L. E., *Assistant Professor of Physics*

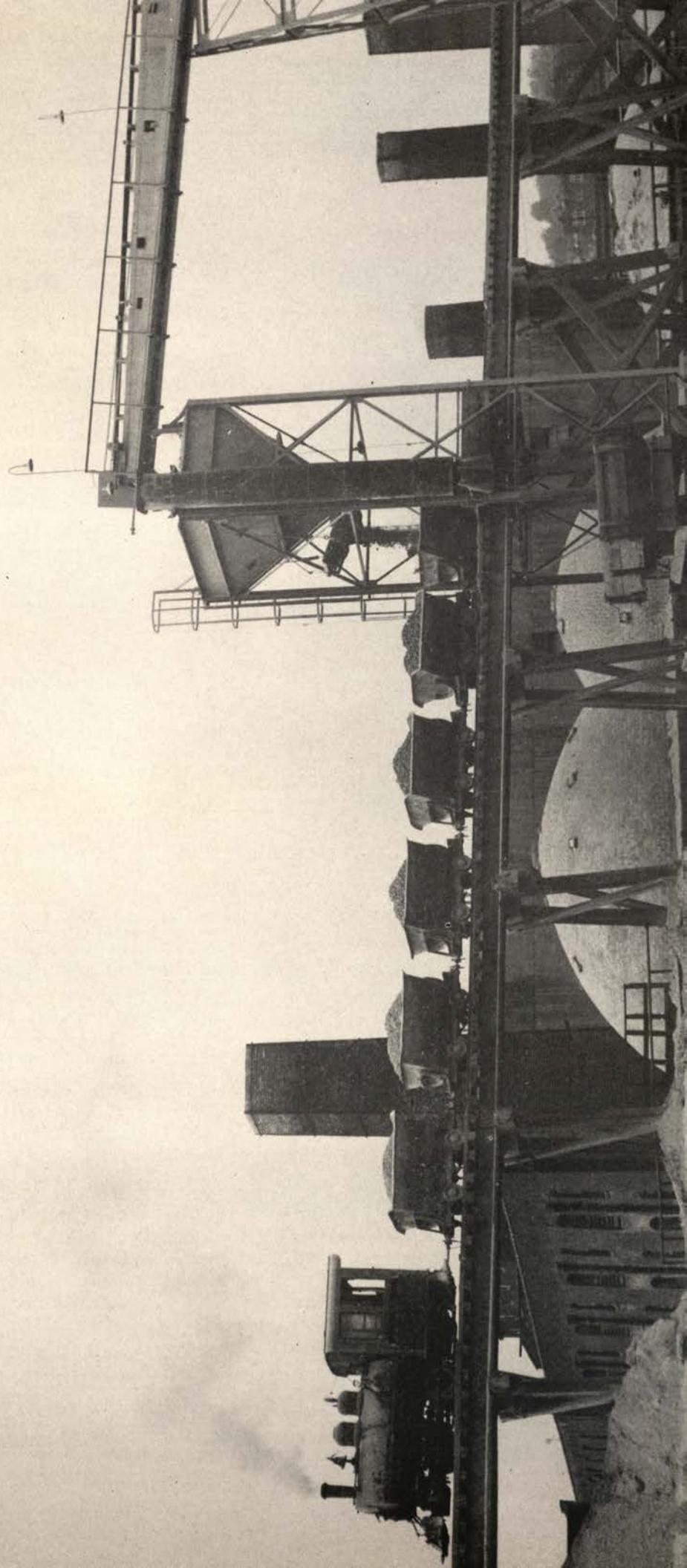
B.S. in Education, 1925, Warrensburg Teachers; A.M., 1929, Missouri

## LANGUAGES

The Language Department gives to those who want it a basis in foreign languages to be used practically or in preparation for further work on degrees.

HENNING, O. A., *Professor of Modern Languages*

A.B., 1913, A.M., 1915, Central Wesleyan

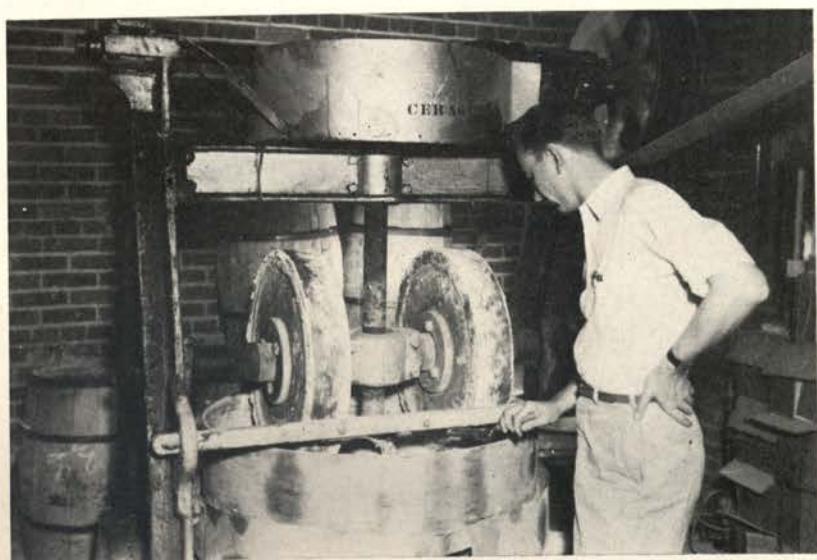
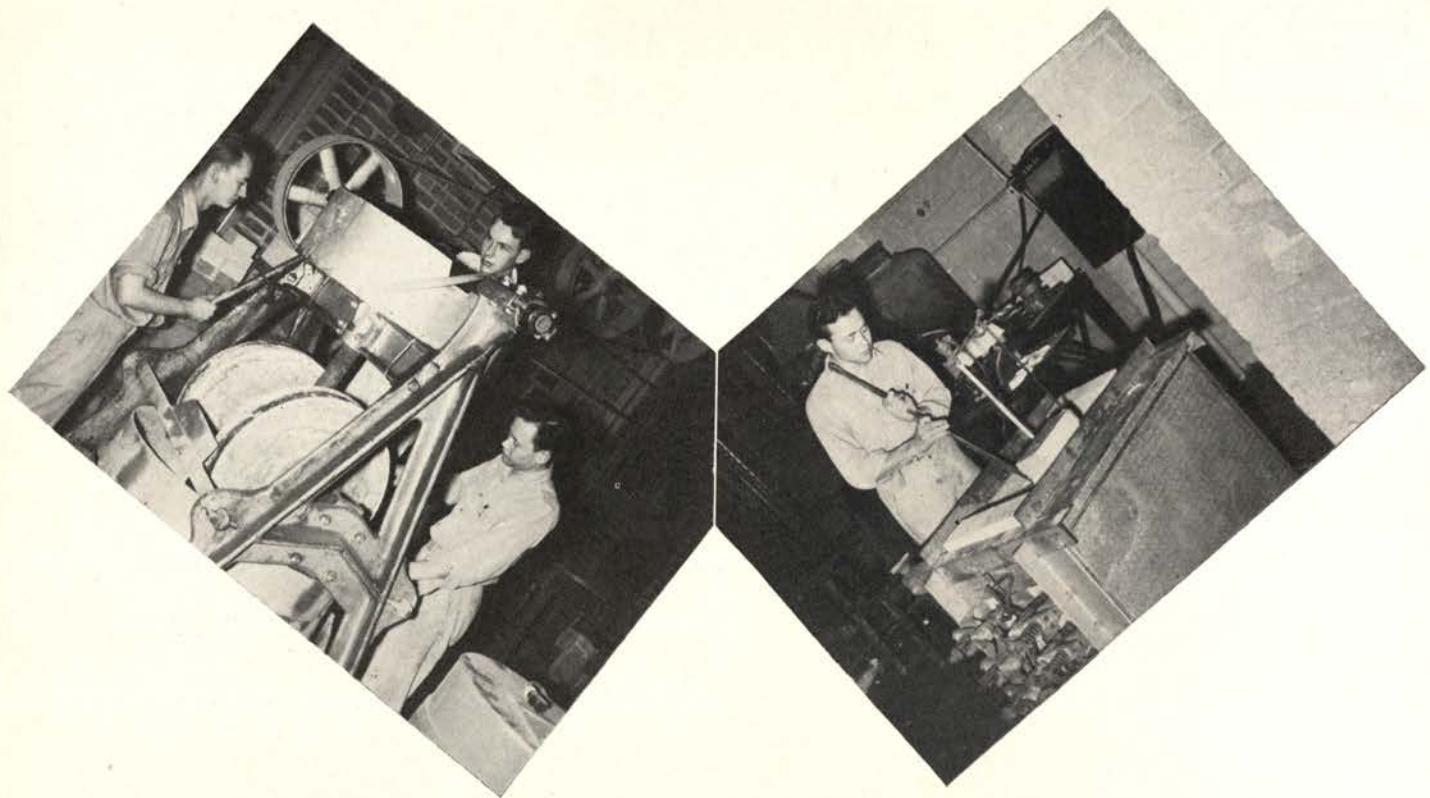


CERAMIC  
ENGINEERING

COLLEGE



HEROLD, P. G., *Professor of Ceramic  
Engineering*  
B.Cer.E., 1931, M.S., 1932, Ph.D.,  
1934, Ohio State



# COLLEGE

## SENIORS



Kasten, Vernon Louis

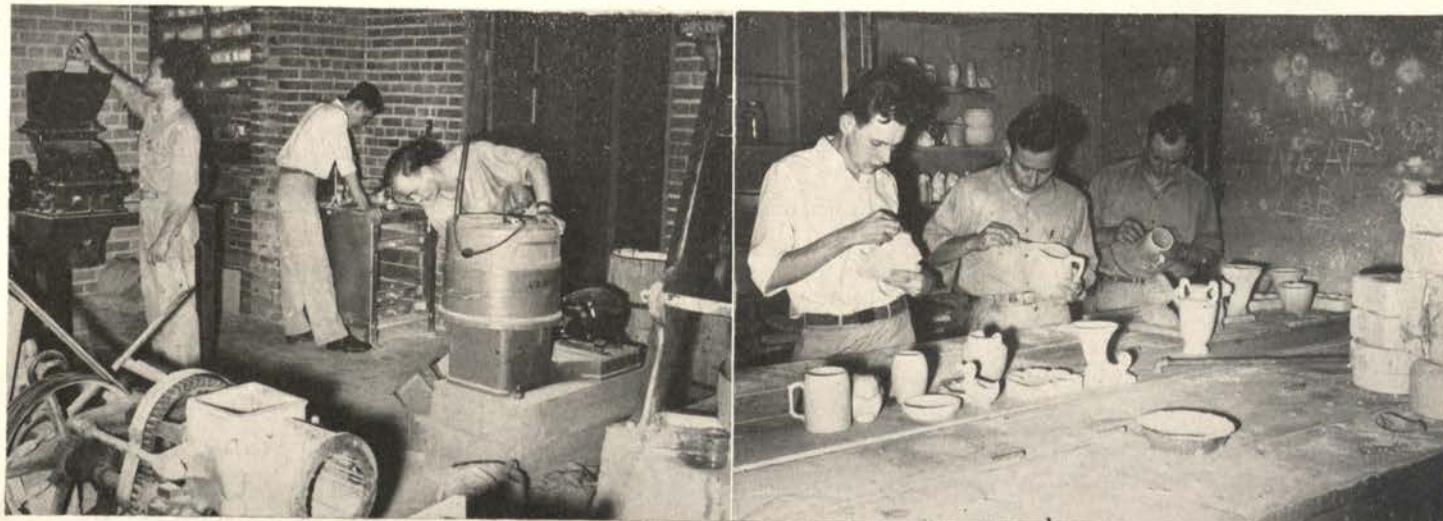
Jackson, Mo.

Sigma Pi '43, Sec'y-Treas. '44; R. O. T. C. Band '43, '44, '45; Student Assistant '44-'45; Interfraternity Council; Gamma Delta Vice-Pres. '45; Honor List summer '44; Transfer, S. E. Missouri State Teachers College.

Renfrew, Joseph Harvey  
St. Louis Mo.

## Ceramics

Although the ceramic industry is over 4,000 years old, the scientific aspects of manufacturing and rapid industrial progress have developed only in the past half century. Along with this accelerated rate of development, ceramic engineering education was begun and helped in the rapid advancement. Ceramic Engineering is concerned with the manufacture of commercial products from non-metallic, earthy raw materials by firing operation. The following fields of manufacture are included: structural claywares; refractories and fire brick; porcelain enamelware, glasswares; electrical porcelain; dinnerware; abrasive wheels; and



## JUNIORS



Jones, Raymond Bolin  
Panama City, Fla.  
Sigma Pi '45; Student Assistant  
Ceramics Dept. '45; Transfer S. E.  
Missouri State Teachers College.

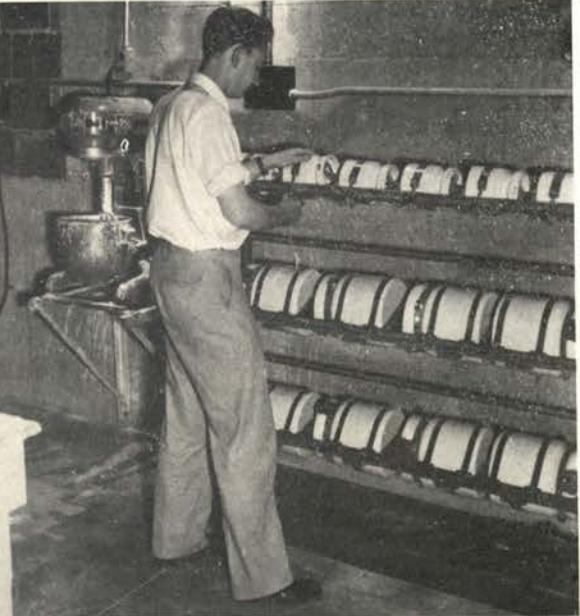


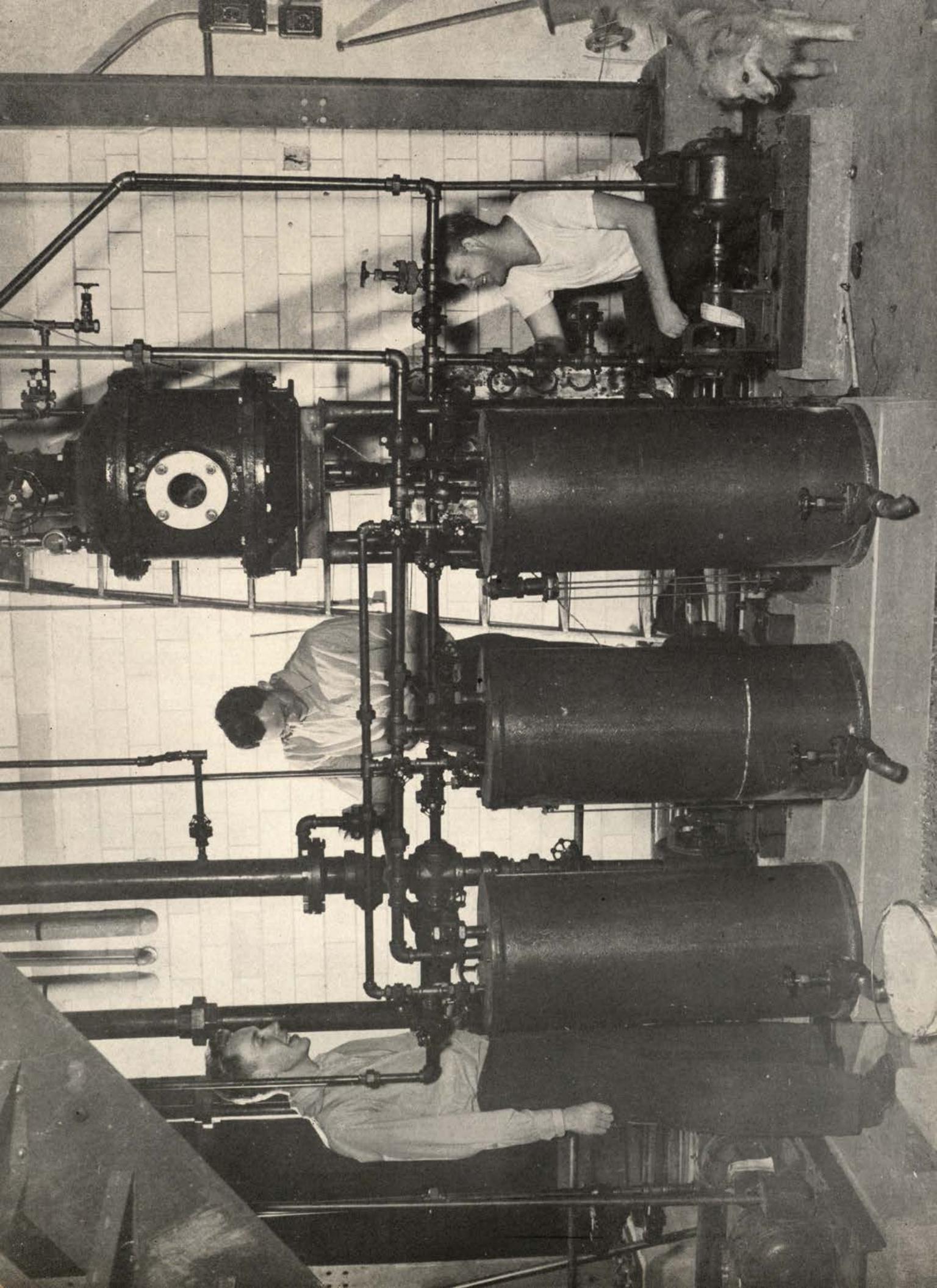
Wilhelms, Kenneth Menno  
St. Louis, Mo.  
Engineers Club; Independents;  
Gamma Delta '45.

### UNPHOTOGRAPHED

Kiburz, Walter Herbert  
St. Louis, Mo.  
Tech. Club; Mo. Academy of Sci-  
ence '42; Sigma Nu.

cements, limes and plasters. The curriculum of the ceramics department provides for a study of the fundamental sciences and allied engineering subjects, as well as all branches of ceramic engineering. Graduates are prepared for such industries as Portland Cement, lime, gypsum, glass, enameled ware, abrasives, refractories and clay products industries. The Missouri Clay Testing and Research laboratories are operated in connection with the Ceramic Engineering Department, which allows ceramic students to gain an intimate knowledge of standard testing methods and research procedure.





## CHEMICAL ENGINEERING

## COLLEGE



SCHRENK, W. T., *Professor of Chemical Engineering*  
B.S., Monmouth, 1915; M.S., 1919, Ph.D., 1922,  
Wisconsin

KERSHNER, K. K., *Professor of Chemistry*  
B.S., M.S., Chem.E., 1920, Missouri School of Mines

MONROE, C. J., *Assoc. Professor of Physical Chemistry*  
S.B., 1917, Ph.D., 1921, Chicago

LIVINGOOD, M.D., *Instructor in Chemical Engineering*  
B.S. Ch.E., 1938, M.S. Ch.E., 1940; Oklahoma  
A. and M.

The role of the Chemical Engineer in the industrial world is to translate chemical (laboratory) processes into profitable manufacturing operations. The chemical engineering department trains the students to start a professional career. Organic, inorganic, analytical, and physical chemistry, mathematics, physics, mechanics, and economics form the basis for this training. Industrial stoichiometry, chemical engineering unit operations, design, and thermodynamics emphasize the professional aspects. The chemical engineer will be found in every large industrial organization participating in the rapid march of progress.



# COLLEGE

## SENIORS



**Break, William Louis**  
Cape Girardeau, Mo.  
A. I. Ch. E. Sec'y '44; Engineers Club '43-'44; Student Council '44, '45; Senior Class Sec'y '44; Independents; Alpha Chi Sigma Master of Ceremonies '45; Transfer, S. E. Missouri State Teachers College.



**Ozawa, Kunio Jack**  
Hunt, Idaho  
Tech. Club '43; Independents Pres. '44; Engineers Club Board of Control '44; Student Assistant, Chemistry '43, '44, '45; A. I. Ch. E. Vice Pres.; Tau Beta Pi '44; Honor List '43-'44, sum. '44, fall '44.



**Schmitz, Fred William**  
St. Louis, Missouri  
Shamrock Club '41, '42, '43; Alpha Chi Sigma '43, '44; Tau Beta Pi '44; Engineers Club '43, '44; A. I. Ch. E. Sec'y '42, Pres. '44; Miner Board '42, '43, '44; Student Council Vice Pres. '44; Pi Kappa Book Plate '43; Pi Kappa Phi Scholarship; James Scholarship award \$200; Honor List fall '41-'42, fall '42-'43, Spring '43, summer '43, fall '43-'44.



**Shank, Earl Melvin**  
Carthage, Missouri  
Kappa Sigma Vice-Pres. '44, Pres. fall '44; Alpha Chi Sigma Vice-Pres. '44; A. I. Ch. E. Pres. '44; Blue Key '44; Student Assistant, Chemistry Dept., fall '44; Football Squad '42, '43; Honor List fall '43-'44, fall '44.



**Sisk, Forrest O.**  
Excelsior Springs, Mo.  
Tech. Club '42, '43, '44; R. O. T. C. Band '42, '43, '44, '45; Student Assistant, Library summer '43, '45; Engineers Club summer '44; Student Council '44; Pi Kappa Alpha; Alpha Chi Sigma; Photo Club Sec'y '45.



**Weber, Walter George**  
St. Louis, Mo.  
Pi Kappa Alpha, Pres. summer '44, Sec'y fall '44; Student Council, fall '44.



**Yoder, Carl Bart**  
Springfield, Mo.  
Kappa Alpha; A. I. Ch. E.; Alpha Chi Sigma Pres. fall '44; Student Assistant, Chemistry Dept. '44; Rollamo Board, Adv. Manager, fall '44; Phi Kappa Phi Book Plate; Honor List, summer '42, fall '42, summer '43, fall '43; summer '44, fall '44.

### UNPHOTOGRAPHED

**Rust, Henry Richard**  
St. Louis, Mo.  
Engineers Club; Alpha Chi Sigma; Tau Beta Pi Vice-Pres. summer '44; Blue Key; Miner Board; Student Council; A. I. Ch. E.; Rollamo Board; Blue Key Plaque; Honor List spring '42, summer '42, fall '42.

**Schalk, Herman Frank**  
St. Louis, Mo.  
Pi Kappa Alpha Vice-Pres. '43, Pres. Spring '44; A. I. Ch. E. Treas. '42-'43; Student Assistant, Chemistry; Student Council; Blue Key Plaque; Phi Kappa Phi Book Plate; Honor List spring '41, spring '42, fall '42, spring '43, fall '43-'44.

## JUNIORS



Bahn, Emil Lawrence  
Cape Girardeau, Mo.  
Sigma Pi Sec'y '45. Alpha Phi Omega 2nd. Vice Pres. fall '44. Treas. '45. R.O.T.C. Band A.I. Ch. E. Treas. '44. Alpha Chi Sigma Chapter Historian '45. Student Assistant Chemistry Dept. '45. Student Council Transfer, S. E. Missouri State Teachers College.



Daniels, Thomas Dean  
Rich Hill, Mo.  
Engineers Club, Lambda Chi Alpha Treas. '45. Junior Class Treas. Student Assistant, Registrars Office. N.Y.A. Assistant Registrar's Office. Blue Key.



Kehner, William E.  
Steelville, Missouri

Lambda Chi Alpha, Alpha Chi Sigma. Student Assistant, Chemistry Dept. '45. Campus Veterans' Association Sergeant-at-Arms, '45.



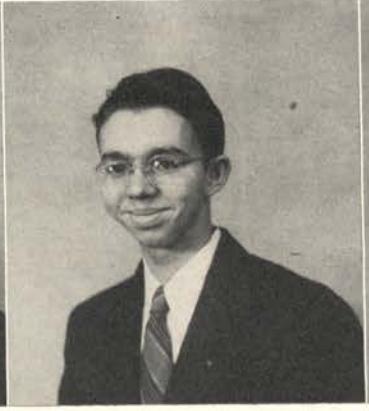
McKelvey, James Morgan  
University City, Mo.  
Pi Kappa Alpha Vice Pres. '44. House Manager '44-'45. Photography Club, Alpha Chi Sigma. Interfraternity Council. Blue Key. Junior Class President '44. Student Council. Student Assist. Chemistry Dept. '45. Tau Beta Pi Sec'y. Honor List sum. '43, fall '43, sum. '44, fall '44.



Murray, Robert Eugene  
St. Louis, Mo.  
Pi Kappa Alpha Treas. '44. Vice Pres. '45. A.I.Ch.E. Alpha Chi Sigma Treas. '44, '45. Engineers Club, Blue Key. Student Assist., Chemistry Dept. Honor List '42. James Scholarship.



Nelson, Niles Kieth  
Farmington, Missouri  
Engineers Club Board of Control '45. Alpha Chi Sigma Historian and Reporter '44. Photography Club Vice Pres. '44. Independent. Student Council '45. Student Assist., Chemistry Dept. '44, '45. Tau Beta Pi. Honor List sum. '43, fall '43, sum. '44, fall '44.



Olsen, Oscar Marken  
Little Rock, Arkansas

Engineers Club, A.I.Ch.E., Triangle Steward '44. Pres. '45. Photography Club. Student Council.



Schamburg, Arthur L.  
Perryville, Missouri  
Gamma Delta Vice Pres. '45. Transfer, S. E. Missouri State Teachers College.

### UNPHOTOGRAPHED

Fujimoto, Shigeru  
Chicago, Illinois  
Tech. Club. Independents. Student Council. Engineers Club. Student Assist., Library. Transfer, San Jose State College.

Vogt, Joseph Charles  
St. Louis, Missouri  
Tech. Club. A.I.Ch.E. Freshman Class Pres. Independents Board of Control. Student Assist., Library. Student Assist., Chemistry Dept. Student Council Vice Pres. '44. Engineers Club. Tau Beta Pi Vice Pres. '44. Junior Class Vice Pres. '44. Honor List, sum. '43, fall '43.



## Alpha Chi Sigma

The Beta Delta Chapter of Alpha Chi Sigma, Professional Chemical Fraternity, was established on the campus in 1936. The national organization was founded in 1902 at the University of Wisconsin. The fraternity aims to bind its members with a true and lasting friendship, to strive for the advancement of chemistry both as a science and a profession, and to aid its members by every honorable means in the attainment of their ambitions as chemists throughout their lives. The fraternity sponsors a safety program throughout the chemical building, a chapter publication, "The Beta Delta Data," and a chemical magic show for Parents' Day.

### OFFICERS

<i>President</i>	Carl B. Yoder
<i>Vice-President</i>	Earl M. Shank
<i>Reporter</i>	Nils Nelson
<i>Recorder</i>	Jim McKelvey
<i>Treasurer</i>	Robert Murray
<i>Master of Ceremonies</i>	Bill Break
<i>Chapter Historian</i>	Larry Bahn

### MEMBERS

Bahn, Larry	Murray, Robert
Break, Bill	Nelson, Nils
Doisy, Richard	Shank, Earl M.
McKelvey, James	Sisk, Forrest O.
	Yoder, Carl B.

# COLLEGE

## AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

Since the Missouri School of Mines chapter of the Ira Resen Society was granted a charter in the American Institute of Chemical Engineers, it has stimulated an interest in the field of chemical engineering on the campus of the School of Mines. In adhering to its object of affording each student an opportunity to present to the group any experience that he might have had, the chapter has a student on its program at one of the meetings held twice a month. Occasionally men of prominence in science and industry are invited to address the society.

### OFFICERS

<i>Fall</i>		<i>Spring</i>
<i>President</i>	Earl Shank	<i>President</i>
<i>Vice President</i>	J. Ozawa	<i>Vice President</i>
<i>Secretary</i>	W. Break	<i>Secretary</i>
<i>Treasurer</i>	E. L. Bahn	<i>Treasurer</i>

### MEMBERS

Bahn, E. L.	Kehner, B.	Schmitz, F.
Branson, D. A.	McKelvey, J.	Shank, E.
Break, W. L.	Murray, R.	Sisk, F. O.
Dempsey, S.	Nelson, N.	Vegt, J. C.
Fujimoto, M.	Ozawa, J.	Weber, W.
Hoover, D.	Petersen, D.	Whincap, J.
Hughes, J.	Rolaff, E.	Yoder, B.
	Schamberg, A.	





## CIVIL ENGINEERING

## COLLEGE



BUTLER, J. B., *Professor of Civil Engineering*

B.S. in C.E., 1915, B.S. in Education, 1924, Oklahoma A. and M.; C.E., 1922, M.S. in C.E., 1924, Missouri School of Mines

CARLTON, E. W., *Professor of Structural Engineering*

B.S. in Mech.E., 1920, M.S. in Indus.Ed., 1926, Colorado Agricultural College; B.S. in C.E., 1926, C.E., 1935, Missouri School of Mines

ESHBAUGH, C. W., *Instructor in Civil Engineering*

B.S., 1925, Kansas State College

BREMER, ROY, *Assistant Professor of Civil Engineering*

A.B., 1929, Hope; M.S.P.H., 1940, Michigan

Civil Engineering is the oldest of engineering professions. In its restricted sense, Civil Engineering may be said to include: The establishment and relocation of private, state and national boundaries and the providing of accurate maps of the coast and various parts of the country; the location, construction, and maintenance of pipe lines, canals, highways, and railways; the design, construction, and maintenance of river and harbor improvements, flood protection works, important structures and the reclamation of unproductive areas through irriga-



## SENIORS



Boyd, Roy Henderson

Edgar Springs, Mo.

A. S. C. E. Pres. '45; Student Council; Theta Tau Vice Regent '45; Honor List summer '42, fall '42, fall '44; Transfer, Southwest Missouri State Teachers College.

Rankin, Robert Creswell

Rolla, Mo.

Theta Tau Outer Guard '44, Treas. fall '44; A. S. C. E. Vice-Pres. summer '44, Pres. fall '44; Student Assistant, Civil Dept. fall '44; Ira Remsen Society; Transfer, Maryville (Tenn.) College.

## UNPHOTOGRAPHED

Barmeier, Robert Louis

St. Louis, Mo.

Student Council; Theta Tau Pres. '44; Blue Key; Photographers Club; Detonators; Miner Board Editor-in-Chief '44; Alpha Phi Omega Pres. '44; Student Assistant, Civil Dept.; Sophomore Class Treas. A. S. C. E. Sec'y-Treas. '44; Honor List fall '42, fall '43.

## JUNIORS



Mathews, Ralph Andrew

St. Louis, Mo.

Miner Board; Student Assistant, Civil Dept.; Pi Kappa Alpha Treas. '45; A. S. C. E. Sec'y-Treas. '44; Student Assistant P. E. Dept.; Rollamo Board, Managing Editor fall '44.

Meenen, Arthur Robert

St. Louis, Mo.

Engineers Club; Student Assistant, Library; Lambda Chi Alpha Sec'y '44, Treas. '44, Pres. '45; Sophomore Class Treas.; A. S. C. E.; Theta Tau Vice Regent; Blue Key.

## UNPHOTOGRAPHED

Gevecker, Robert Vernon

St. Louis, Mo.

Pi Kappa Alpha Sec'y-Treas. '44; Interfraternity Council Treas. '44; A. S. C. E. Pres. '44; Student Council; Student Assistant, Library.

tion and drainage systems, and municipal engineering and testing of engineering construction materials. The curriculum offered in Civil Engineering provides a thorough training in the fundamental principles upon which the practice of civil engineering is founded, and still provides opportunity for specialization in certain branches of the profession.

# COLLEGE



## AMERICAN SOCIETY OF CIVIL ENGINEERS

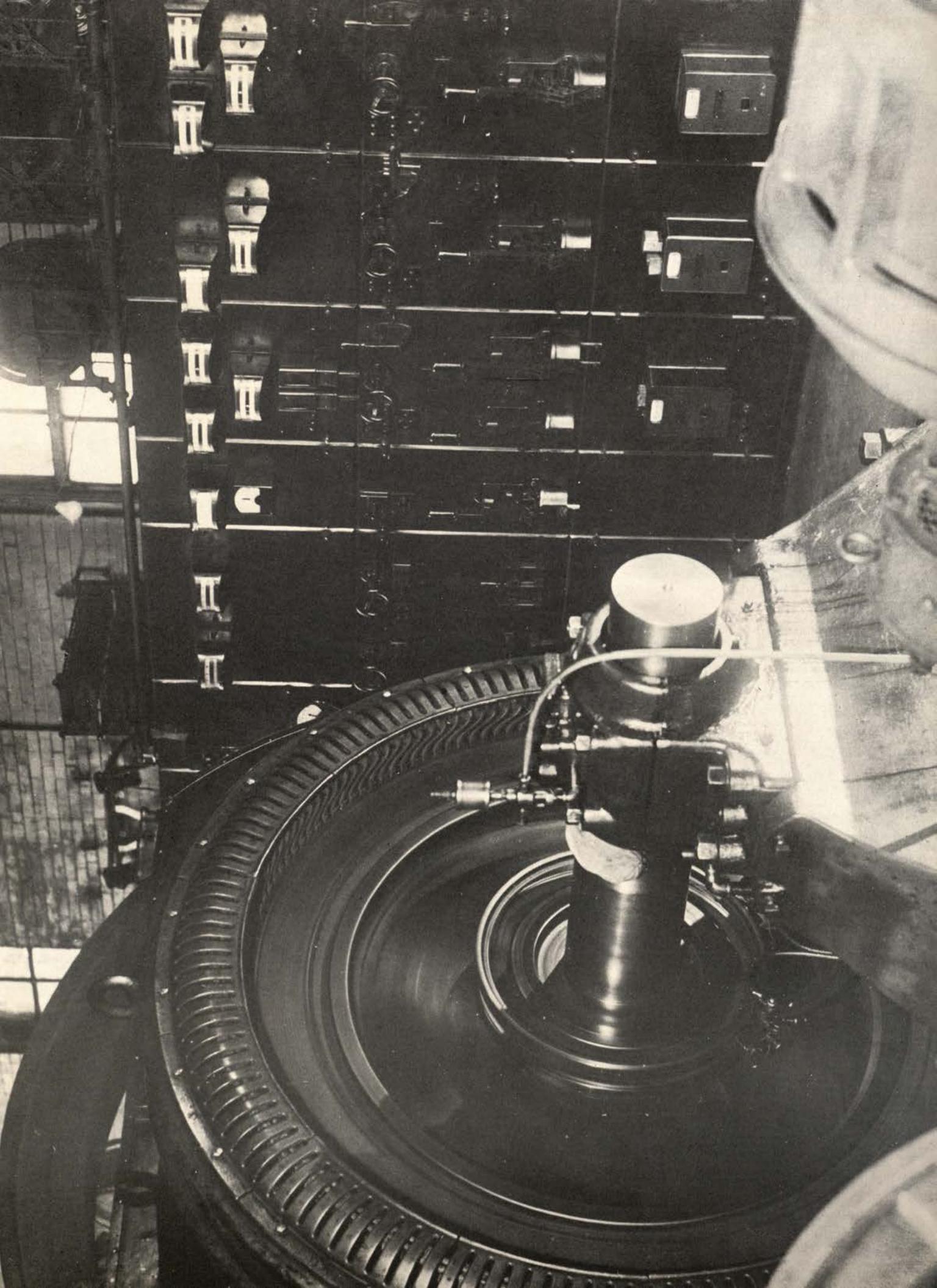
The American Society of Civil Engineers is now completing its twenty-first year on the M.S.M. campus, having been organized in November 1923 by the Junior and Senior Civil Engineering students with the aid of Professor Butler. The local chapter is a chartered member of the national organization which is the oldest engineering society in America. One of the interesting and beneficial phases of the society is the lectures and reports on engineering conditions and problems given by prominent engineers.

### OFFICERS

<i>Fall</i>		<i>Spring</i>	
<i>President</i>	R. Rankin	<i>President</i>	R. Boyd
<i>Vice President</i>	R. Gevecker	<i>Vice-President</i>	A. Meenen
<i>Secretary-Treasurer</i>	R. A. Mathews	<i>Secretary</i>	R. A. Mathews
		<i>Treasurer</i>	D. Dean

### MEMBERS

Meenen, A.	Henning, P.	Kram, P.
Boyd, R.	Galavis, H.	Hogan, E.
Bay, R.	LaPage, J.	Hunt, R.
Miller, J.	Kruse, H.	Mathews, R. A.
Gaulden, E.	Bermel, P.	Rankin, R.
Taylor, J. F. A.	Bottermuller, C.	Gevecker, R.
	Dean, D.	



# COLLEGE

## ELECTRICAL ENGINEERING



FRAME, F. H., *Professor of Electrical Engineering*  
A.B., 1912, Clark; E.E., 1924, W. P. I.

LOVETT, I. H., *Professor of Electrical Engineering*  
S.B., 1914, Massachusetts Institute of Technology;  
E.E., 1924, Missouri School of Mines; M.S.E., 1928,  
Michigan

RANES, G. O., *Associate Professor of Electrical Engineering*  
B.S. in E.E., 1921, Oklahoma

Electrical Engineering is the practical application of electricity to the needs of man. Electrical engineers in the many branches of the field, serve the entire world. At present the emphasis is on power and communications engineering—the generation, transmission, and distribution of power necessary to keep manufacturing plants in operation and the design, operation and maintenance of wire and radio communication systems vital to the successful waging of war. The curriculum in the Electrical Engineering department is designed to prepare the student for a position of responsibility in any of the various phases of the electrical field. All required electrical courses place the emphasis upon the fundamental principles of electrical engineering, rather than upon their application in any special field, thus giving training for a position in any branch of the profession. The organizations employing electrical engineers vary widely, and the wide possibilities in the usage of electricity assure the electrical engineer a promising future.



## SENIORS



Finley, Carl Eugene  
Lamar, Mo.  
Engineers Club, Pres. fall '43;  
Lambda Chi Alpha; Theta Tau,  
Pres. '44; A. I. E. E.; Blue Key  
Vice-Pres. '43, Pres. '44; Independents  
Vice-Pres. '43, '44; Miner  
Board, Editor-in-Chief, '44; A. P.  
O. Pledge '43; Detonators; Student  
Assistant, Electrical Dept.; Student  
Council; St. Pat's Board; Rollamo  
Board; Phi Kappa Phi Book Plate  
for Scholarship; Blue Key Pres.;  
James Scholarship '42-'43, '43-'44;  
Honor List, fall '41, spring '42.



Hentchel, Theodore Paul  
St. Louis, Mo.  
Sigma Pi, Vice-Pres. '43, '44; Inter-  
fraternity Council; Student Coun-  
cil; Student Assistant, Library; A.  
I. E. E., Sec'y '44; Junior Class  
Sec'y '43-'44; Student Assistant,  
P. E. Dept. '45.



Lindberg, Allen Walter  
Cuba, Mo.  
Shamrock Club; Engineers Club; A.  
I. E. E.; Theta Tau; Miner Board;  
Rifle Team; Student Assistant,  
Dean's Office; Student Council.



Milton, Osborne  
University City, Mo.  
Sigma Nu; Varsity Track Team;  
2nd Award in Wrestling, Intra-  
murals '39-'40; A. I. E. E.; Student  
Assistant, Electrical Engineering  
Dept.; Photography Club, Pres.  
summer '44; Scholastic Leader '39-  
'40; Honor List fall '43, summer  
'44.



Seigle, Robert Kingsland  
St. Louis, Mo.  
Engineers Club; Independent; Stu-  
dent Council; Tech. Club; Radio  
Club; Student Assistant, Electrical  
Dept.; A. I. E. E.; Transfer, Wash-  
ington University.



Sparlin, Bernard Jay  
St. Louis, Mo.  
Tech. Club; Independents, Vice-  
Pres. '44; Engineer's Club; Theta  
Tau, Scribe '44; A. I. E. E.; Stu-  
dent Council; Honor List summer  
'44; Transfer, Harris Teachers Col-  
lege.

## JUNIORS



Fesler, Carney Cedrick

Cape Girardeau, Mo.

Sigma Pi, Sergeant-at-Arms, '45.  
Alpha Phi Omega, 3rd Vice Pres.  
A.I.E.E. Transfer, S. E. Missouri  
State Teachers College.



Grant, George Thomas

Hannibal, Missouri

Blue Key, Vice Pres. '45. Sigma  
Nu, Treas. '44. Miner Board, Stu-  
dent Council, Sec'y. Treas. '44.  
Junior Class Sec'y. A.I.E.E., Vice  
Chairman '45. Rifle Club, Vice  
Pres. Cadet 1st Lt. R.O.T.C.



Nomi, Jack

Hunt, Idaho

Tech. Club '43, '44. Student As-  
sistant, Library '43, '44. A.I.E.E.  
Student Council, '45. Engineers  
Club. Independent.



Pagano, Sylvester Joseph

Crystal City, Mo.

Engineers Club. A.I.Ch.E. Sopho-  
more Class Vice President '44. Tri-  
angle, Pres. '44, Vice Pres. and  
Sec'y. '45. Student Council, Sec'y.  
Treas. '45. A.I.E.E. Blue Key,  
Pres. '45. Interfraternity Council,  
Vice Pres. '44. Tau Beta Pi, Treas.  
'45. Honor List fall '43, sum. '44,  
fall '44. Rollamo Board '45.



Rutledge, William Alvin

Lamay, Missouri

Pi Kappa Alpha. Pres. '44, '45.  
A.I.E.E. Chairman '44-'45. Student  
Assistant, P. E. Dept. '44, '45. Stu-  
dent Council '45.



West, Amy Goodhue

Rolla, Missouri

A.I.E.E., Treas. '44-'45. Glee Club,  
Pianist '43, '44, '45. Music Club,  
Band, '44-'45. Rollamo Board.  
Honor List, sum. '44, fall '44.

### UNPHOTOGRAPHED

Chestnut, Edgar

Joplin, Mo.

A.I.E.E., Chairman '44. Engineer's  
Club, Sec'y. Treas. '44. Theta Tau,  
Regent '44. Marshall '44. Blue  
Key. Honor List spring '43, fall  
'43. Died February 20, 1945.

Kueser, John Joseph

Webster Groves, Mo.

Sigma Pi. Vice Pres. '44. A.I.E.E.

# COLLEGE



## AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

The student branch of the American Institute of Electrical Engineers was first established on the Missouri Mines Campus in March, 1925.

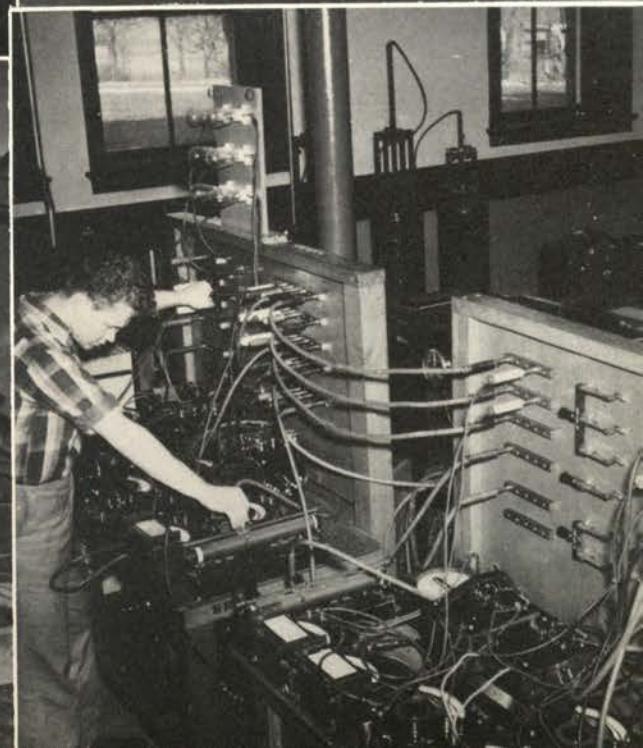
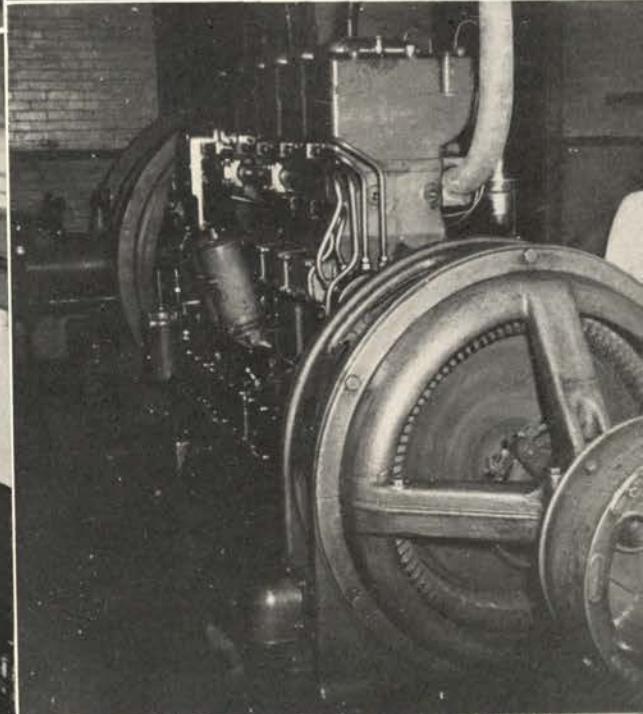
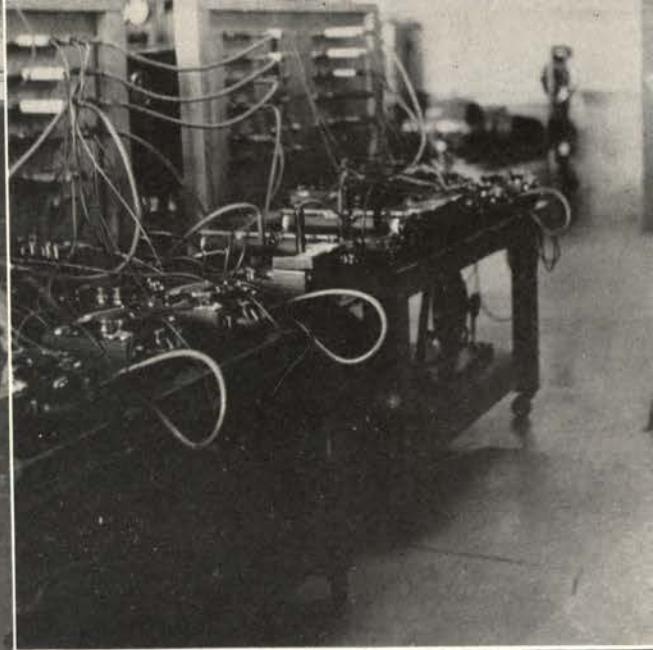
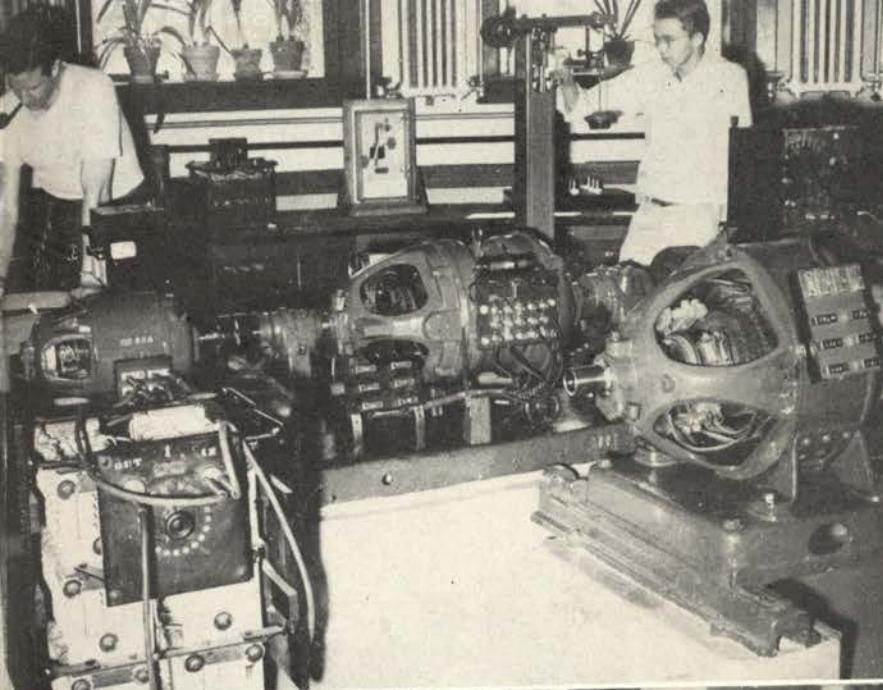
The purpose of this organization is to better acquaint the engineering student with the practical side of electrical engineering. This is accomplished by meetings of the club, where short talks given by both students and professional men, help to foster interest and provide each member of the organization an opportunity to express himself before the group.

### OFFICERS

<i>Chairman</i> . . . . .	William Rutledge
<i>Vice-Chairman</i> . . . . .	George Grant
<i>Treasurer</i> . . . . .	Amy G. West
<i>Secretary</i> . . . . .	Ted Hentchel

### MEMBERS

Fesler, Carney	Vreeland, Robert	Fuldner, A. H.
Finley, Carl	West, Amy G.	Kerr, F. F.
Grant, George	Bishop, B.	Nomi, Jack
Hentchel, Ted	Branson, Cecil	Schaetter, N. A.
Pagano, Sylvester	Eason, D. E.	Werner, C. H.
Rutledge, William		Franklin, S. A.





## MECHANICAL ENGINEERING

# COLLEGE



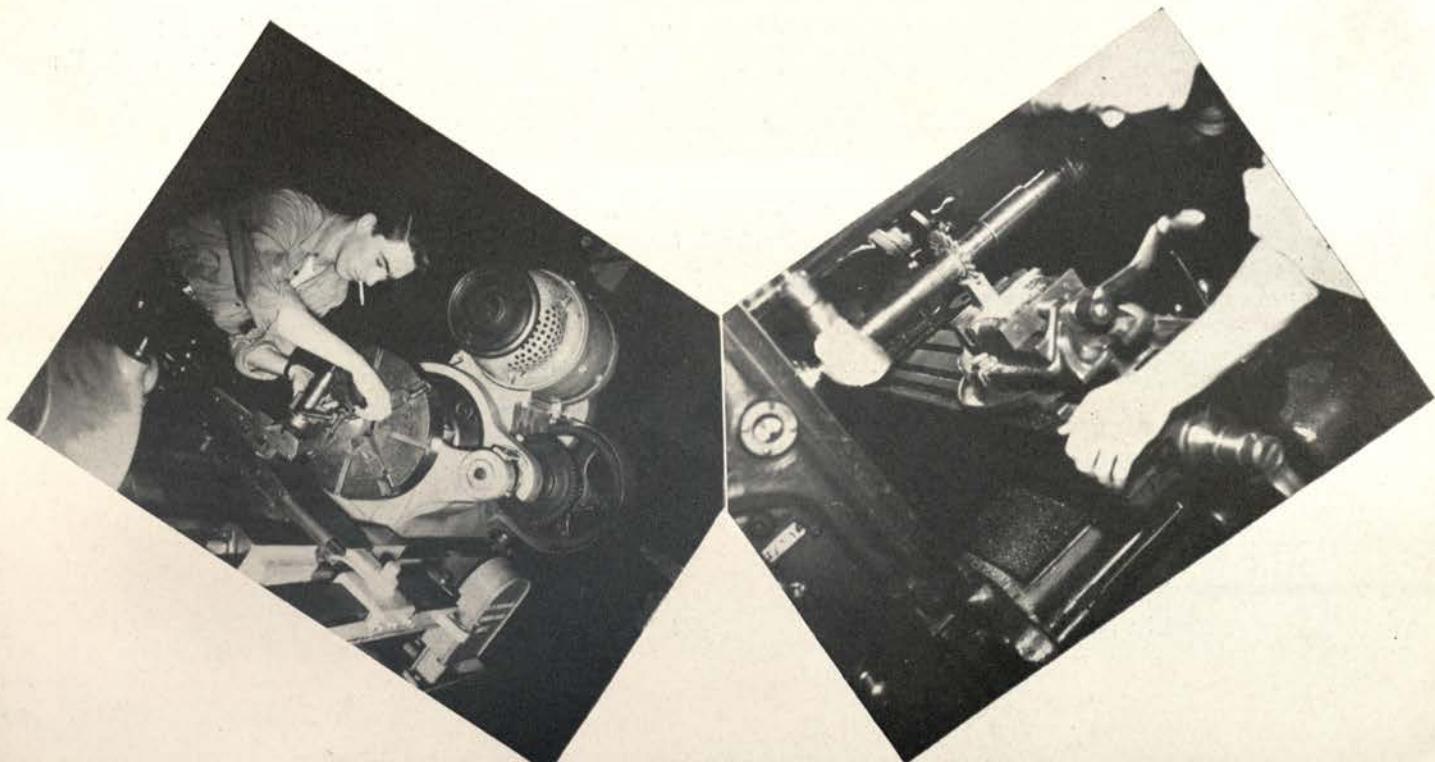
MILES, A. J., *Professor of Mechanical Engineering*  
B.S., 1930, M.S., 1931, Missouri School of Mines,  
Sc.D., 1935, Michigan

KILPATRICK, A. V., *Associate Professor of Mechanical  
Engineering*  
B.S. in M.E., 1925, M.E., 1931, South Dakota State  
College

YOUNG, R. H., *Associate Professor of Mechanical En-  
gineering*  
B.S. in M.E., 1921, Georgia School of Technology



Mechanical Engineering comprises the science and technology of power generation, of mechanical transmission of power, and of the production of machine tools and their products. In addition to the research, design, development, and investigation required in creating these services and products, mechanical engineering includes the coordination of manpower, material, natural resources, and money for effective economic production. The field of mechanical engineering is much too extensive to be covered in four years of study.



# SENIORS



Davis, Carl Bonebrake

St. Louis, Mo.

Pi Kappa Alpha, Vice-Pres. '44; Football Squad '42, '43; A. S. M. E., Pres. '45; Student Assistant, Library; Rollamo Board, Editor-in-Chief '44-'45; N. Y. A. Assistant, Library.



Feyerabend, George Aloysius

St. Louis, Mo.

Sigma Nu; A. S. M. E., Pres. '44; Photography Club, Pres. '44; A. S. M. E., Vice-Pres. '44; Phi Omega, Pres. summer '44; Transfer, Harris Teachers College.



Suda, Miles Neboru

Denson, Ark.

Tech. Club; Engineers Club; Independents; A. S. M. E.; Senior Class Treasurer; Honor List summer '44; Transfer, University of California.

## JUNIOR



Webers, Harold Flory

St. Louis, Mo.

Triangle, Pres. summer '43, Treas., Chapter Editor; Rollamo Board, Business Manager '44; "M" Club, Pres. '44; A. S. M. E., Vice-Pres. '44; Interfraternity Council, Pres. '43, Pres. '43-'44; Track "M" '42, '43; Student Assistant, P. E. Dept. '43; Blue Key, Pres. fall '44; Senior Class, Vice-Pres. spring '44, Pres. fall '44; Honor List summer '44.



Yee, Hackman Chio Sheng

St. Louis, Mo.

Engineers Club, Board of Control '44; Student Assistant, Library; Photography Club, Vice-Pres. '45; Student Council, Sec'y-Treas. summer '44, Pres. fall '44, Pres. '45; Tau Beta Pi, Pres. '44; A. S. M. E., summer '44, Vice-Pres. '44, Pres. '44; Senior Class, Vice-Pres. '44; Tau Beta Handbook for Outstanding Freshman '43; Phi Kappa Phi Book Plate; Honor List '42, '43, '44.



Olivares, Alberto

Caracas, Venezuela

Theta Kappa Phi; A. I. M. E.; A. S. M. E.

## UNPHOTOGRAPHED JUNIORS

Hixson, Rudy Willis

Poplar Bluff, Mo.

Independents.

McPheeters, Woodward Ross

Webster Groves, Mo.

Kappa Alpha; Academy of Science; Tech. Club; A. S. M. E.; Alpha Phi Omega; Miner Board '44; Honor List '43.

Stoecker, Wilbert Frederick

Valley Park, Mo.

Academy of Science, Pres. '43; Lambda Chi Alpha, Pres. '44; Glee Club, Pres. '44; Blue Key; Tau Beta Pi; A. S. M. E., Vice-Pres. '44; Phi Kappa Phi Book Plate; James Scholarship; Honor List spring '43, fall '43, summer '44, fall '44.

# COLLEGE

## AMERICAN SOCIETY OF MECHANICAL ENGINEERS

The American Society of Mechanical Engineers was founded in 1880, and the Missouri School of Mines branch was organized in the spring of 1930 by Dr. Aaron J. Miles.

The purpose of the organization is to promote the art and science of mechanical engineering by acquainting the members with the practical and theoretical sides of engineering.

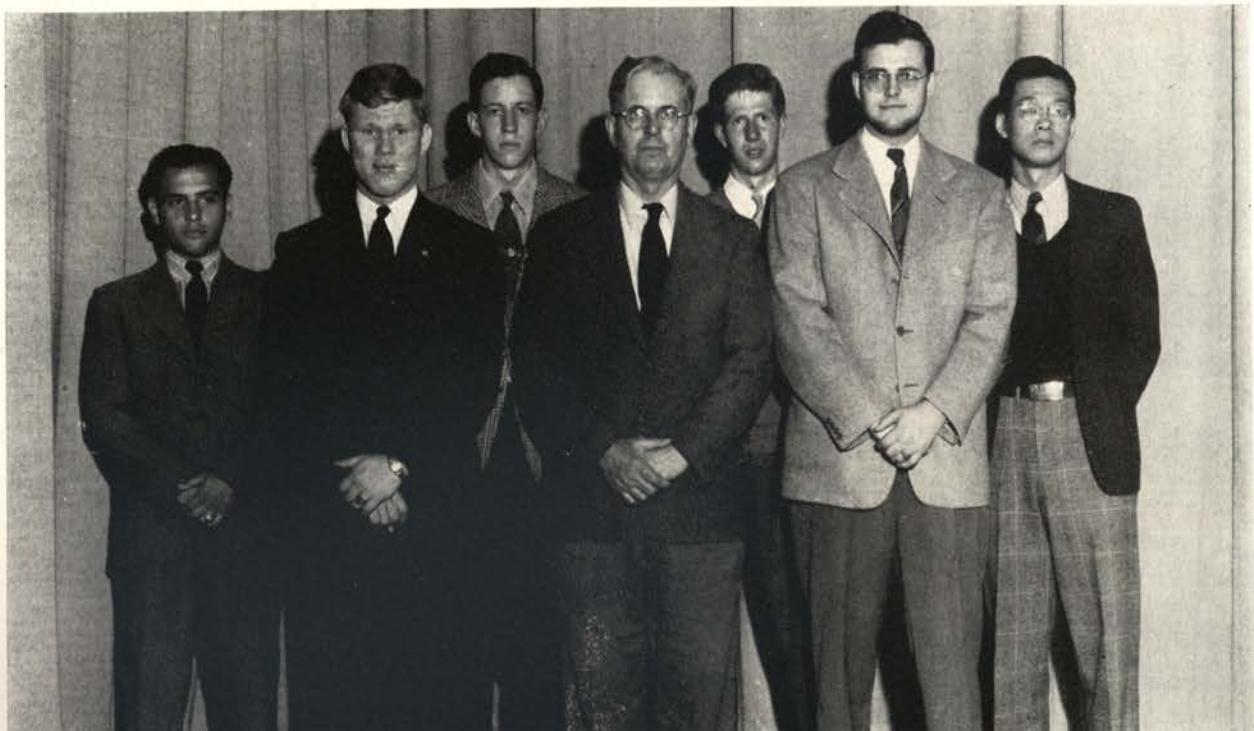
Activities of this branch of A. S. M. E. have enabled the students to achieve the purpose of their organization. Students are offered the opportunity for self expression on technical topics by the presentation of papers.

### OFFICERS

<i>President</i> .....	Hachman C. S. Yee	Carl B. Davis
<i>Vice-President</i> .....	Will Stoecker	William Bennett
<i>Secretary</i> .....	Charles W. Bennett	Ronald Tappmeyer
<i>Treasurer</i> .....	Woody McPheeters	Tom Marrow
<i>Faculty Advisor</i> .....	Dr. Aaron J. Miles	

### MEMBERS

Abrell, G. W.	Griffith, W. L.	Scheineman, J. A.
Bennett, C. W.	Hansen, R. C.	Stoecker, W. F.
Blaich, C. J.	Hauser, W. J.	Suda, M. N.
Davis, C. B.	McCarthy, J. J.	Tappmeyer, R. A.
Drennan, J. A.	McPheeters, W. R.	Webers, H. F.
Feyerabend, G. A.	Olivares, A.	Yee, H.
	Perrey, J. D.	





## METALLURGICAL ENGINEERING

## COLLEGE



CLAYTON, C. Y., *Professor of Metallurgical Engineering*  
B.S. in Met., 1913, Mwt., 1916, Missouri School of  
Mines

HANLEY, H. R., *Professor of Metallurgical Engineering*  
B.S. in Min.E., 1901, Met.E., 1918, Missouri School  
of Mines

LEGSDIN, A., *Associate Professor of Mineral Dressing*  
E.M., 1923, Freiberg Mining Academy; M.S., 1933,  
Columbia

WALSH, D. F., *Assistant Professor of Metallurgy*  
B.S. in Met., 1923, M.S., 1924, Missouri School of  
Mines

Metallurgy may be defined as that branch of engineering that concerns the extraction of metals from ores and various types of concentrates, the refining of these metals, the manufacture of these metals, the manufacture of alloys, and then fabricating both metals and alloys into useful shapes for human utilization. The Metallurgical Engineering department has laid out its curriculum and secured equipment so that the student receives a thorough training in both Process Metallurgy and Physical Metallurgy.



# SENIORS



**Kawaguchi, Makoto I.**  
Tech. Club; Engineers Club; Student Council; Glee Club; Student Asst., Library; Tau Beta Pi; Independents; Alpha Phi Omega; A.I.M.E., Sec'y '45; A.S.M., Sec'y '44-'45; Honor List Fall '43, Summer '44; Transfer, University of California.



**McDowell, Gene K.**  
St. Louis, Mo.  
Shamrock Club; Tech. Club; Engineers Club; A.I.M.E. Vice-Pres. '44, '45; Independents; Alpha Phi Omega; Student Council; A.S.M., Chairman '44-'45; Transfer, Harris Teachers College.



**Schmidt, Robert F.**  
Hinsdale, Ill.  
Kappa Alpha, Sec'y '42, '43, Pres. '43; Treas. Alpha Phi Omega '42, '43; Interfraternity Council '41, '42, Treas. '43; Theta Tau, Regent '45; St. Pat's Board '42, '43, Treas. '43; A.S. M.; Pres. A.I.M.E. '45.



**Tweddle, Herbert Granda**  
Mira Flores, Lima, Peru  
Transfer, Colorado School of Mines; Alpha Phi Omega; A.S.M. Rept. '44-'45; A.I.M.E.

# JUNIORS



**Eri, Leon**  
New York, N. Y.  
Pi Kappa Alpha Pledge; Shamrock Club; Engineers Club; Bd. of Control '44; A.I.M.E., Treas. '44; Independents, Bd. of Control '43, '44; Sec'y-Treas. '45; A.S.M., Treas. '44-'45; Student Council; Phi Kappa Phi Book Plate; A.I.M.E. Scholarship; Honor List Fall '42, Spring '43, Summer '43.



**Ikeuye, Kay Kaeyuki**  
Boston, Arizona  
Tech. Club, Board of Control, '43; A.I.M.E.; Alpha Phi Omega; Student Assistant, Chemical Dept.; Student Council, Vice-Pres. '45; Independents, Board of Control, Pres. '45; Student Asst., Library; Engineers Club, Board of Control, Pres. '45; A.S.M.E.; Transfer, Porterville Junior College.



**Kuwamoto, Yasuyuki**  
Rivers, Arizona  
Tech. Club; Engineers Club; Independents; Alpha Phi Omega; A.S.M.; Transfer, Fresno State College.



**Richardson, Frederick R.**  
Kansas City, Mo.  
Engineers Club; Independents; A.S.M.; Theta Tau; Inner Guard '45; Student Assistant Library; Transfer, Junior College of Kansas City.

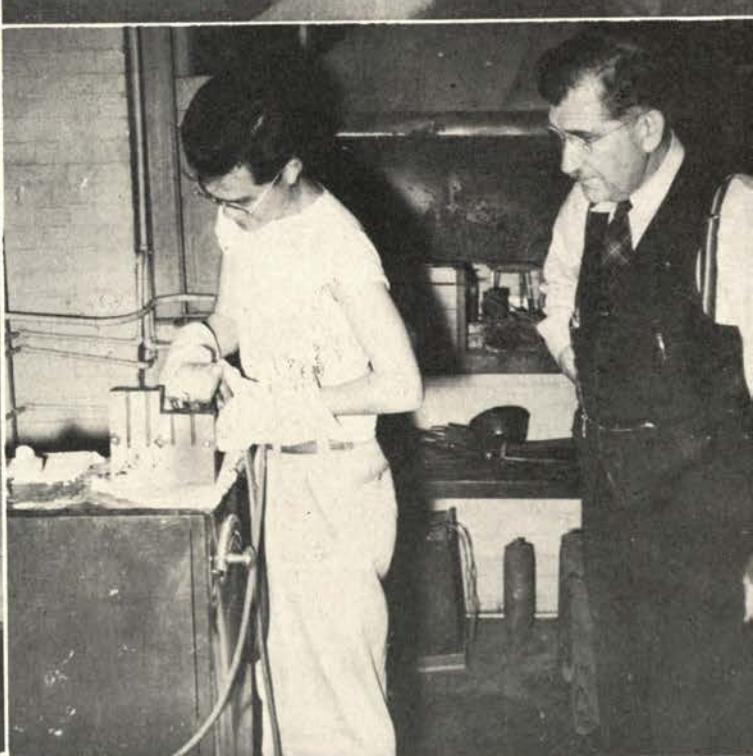
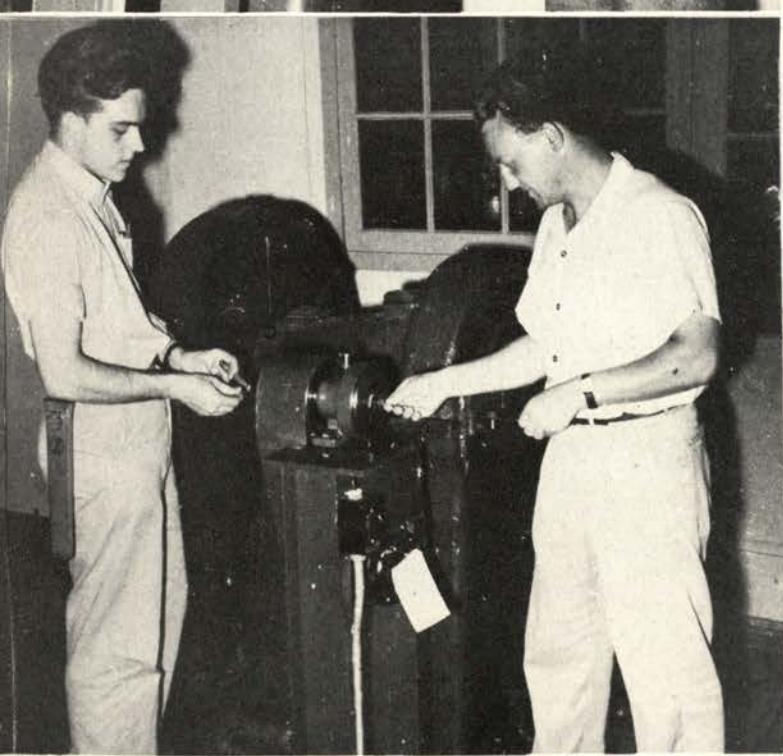
## UNPHOTOGRAPHED

**Niewoehner, Robert Jay**  
Richmond Heights, Mo.  
Engineers Club; Lambda Chi Alpha; Alpha Phi Omega Pledge; A.I.M.E.

**Fujimoto, Shigeru**  
Chicago, Illinois  
Tech. Club; Independents; Student Council; Engineers Club; Student Assistant, Library; Transfer, San Jose State College.

**Vogt, Joseph Charles**  
St. Louis, Mo.

Tech. Club; A.I.Ch.E.; Freshman Class President; Independents, Board of Control; Student Assistant, Library; Student Assistant, Chemistry Dept.; Student Council Vice-Pres. '44; Engineers Club; Tau Beta Pi Vice-Pres. '44; Junior Class Vice-Pres. '44; Honor List, Summer '43, Fall '43.





# COLLEGE

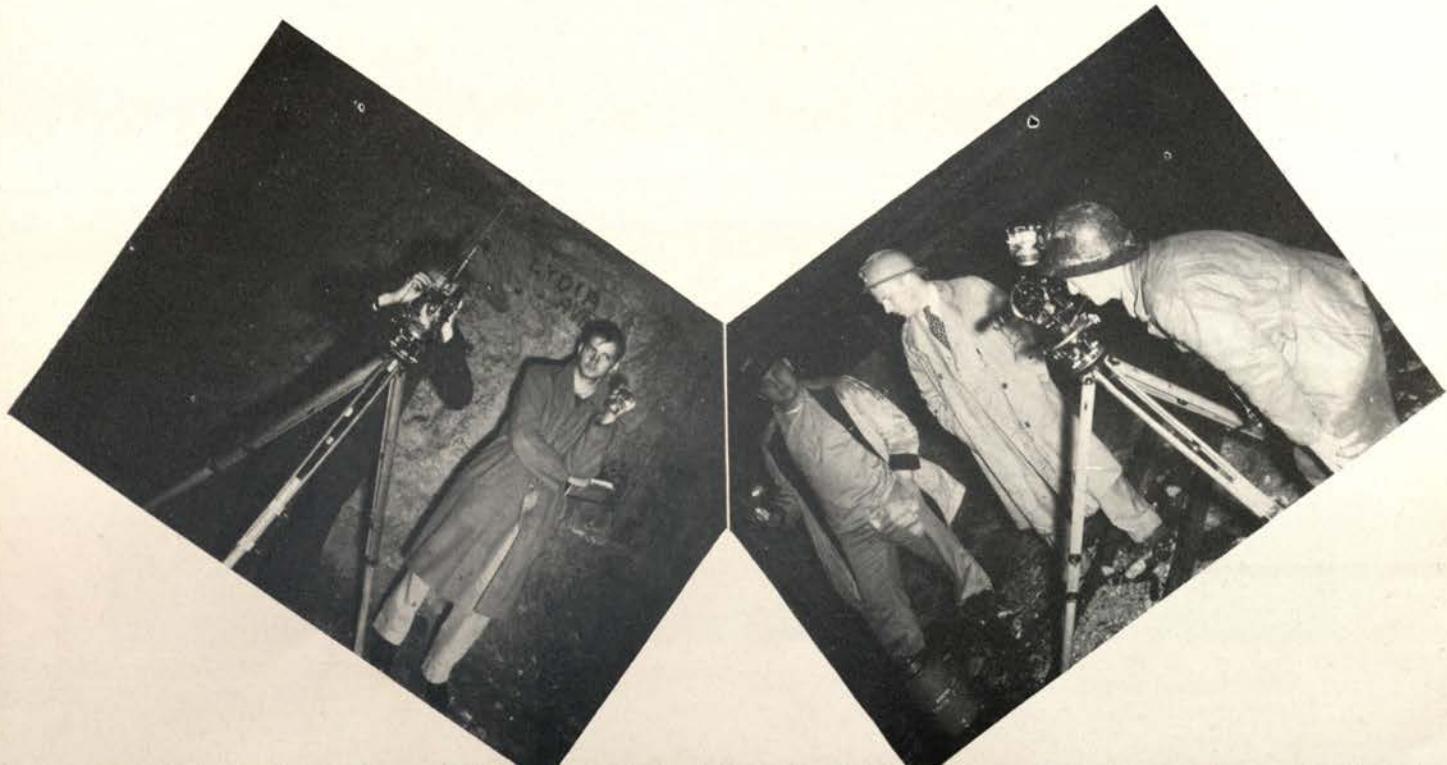
## MINING ENGINEERING



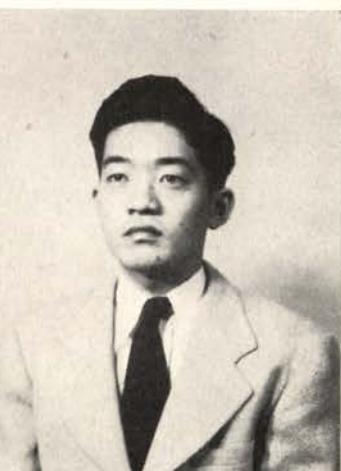
FORRESTER, J. DONALD, *Professor of Mining Engineering*  
B.S., 1928, Utah; M.S., 1929, Ph.D., 1935, Cornell

READ, M., *Instructor in Mining Engineering*  
B.S., 1938, E.M., 1939, Columbia

Mining Engineering may be defined as the application of the basic sciences and fundamental engineering knowledge to the winning of the mineral wealth of the earth. Since Paleolithic man, 450,000 years ago, began mining flints, the history of mining has been one of continued and increased application of the principles of basic science as new knowledge has become available to the problems involved. Not only has the technique of actual ore-winning improved tremendously, but ore finding methods have advanced through the efforts of the mining geologist. The Mining Department covers completely all phases of Mining and Petroleum engineering, both for undergraduate and graduate study. Also, the work is completely correlated with other engineering departments so that the young mining or petroleum engineer is provided with a broadly based technical education. Upon graduation, mining engineers leave the school for all parts of the world to engage in some of the many phases of mining work. As in all other branches of engineering or industrial work, much depends upon the man, how hard he works and studies, how carefully he plans his personal campaign for success, and how well he succeeds in getting along with his fellow worker.



# SENIORS



**Keller, Joe Henry**

Springfield, Mo.

Sigma Nu Recorder '41, Treas. '42-'43, Pres. '43-'44; R.O.T.C. Band '40, '41, '42; R.O.T.C. Cadet Sgt. '42-'43; S.A.M.E. Spring '43; Student Assistant Fall '44.

**Milz, Elmer Arthur**

St. Louis, Mo.

Tech. Club; Mo. Academy of Science; Sigma Nu, Lt. Commander Summer '44, Commander '44-'45; Interfraternity Council, Pres. '44; Blue Key; A.I.M.E. Pres. Fall '44; Tau Beta Pi; Phi Kappa Phi Book Plate; Honor List, Fall '42, Summer '43, Fall '43, Summer '44.

**Schroeder, Virgil Dow**

Platteville, Wisconsin

Transfer, Wisconsin Institute of Technology.

**Uyetake, Kor**

A.I.M.E., Pres. '44; Student Assistant, Library, '43; Student Assistant, Mining Dept. '44; Student Council; Tech. Club; Independents, Sec'y '43, '44; Engineers Club; Honor List, Summer '44; Transfer, University of Washington..

# JUNIORS



**Buterbaugh, Basil Elwood**

Rich Hill, Mo.

Engineers Club; A.I.M.E.; Lambda Chi Alpha, Vice-Pres. '45; Student Council.

**Fowler, Howard Morris**

Independents; A.I.M.E., Sgt.-at-Arms '44; Campus Veterans Association, Service Officer '45; Transfer, State College of Washington.

**Meyer, Donald Irwin**

St. Louis, Mo.

Major in Physics; Engineers Club; Lambda Chi Alpha, Vice-Pres. '44, Sec'y '45; Student Council; Theta Tau, Sec'y '45; Phi Kappa Phi Book Plate; Tau Beta Pi; Honor List Spring '43, Summer '43, Fall '43, Fall '44.

**Kuwamoto, Satoski Ray**

Rivers, Arizona

Tech. Club; Engineers Club; Independents; A.I.M.E.; Student Assistant, Geology Dept. '44-'45; Honor List Fall '43, Summer '44, Fall '44.

## UNPHOTOGRAPHED

**Johnson, Philip Dale**

Student Council; Engineers Club; Independents; Transfer, New Mexico School of Mines.

**Oberwartman, John Harold**

Kansas City, Mo.

Engineers Club, Sec'y-Treas., Board of Control '45; A.I.M.E.; Student Assistant, Dean's Office '45; Honor List Summer '44, Fall '44; Transfer, Kansas City Junior College.

# COLLEGE

## AMERICAN INSTITUTE OF MINING AND METALLURGICAL ENGINEERS

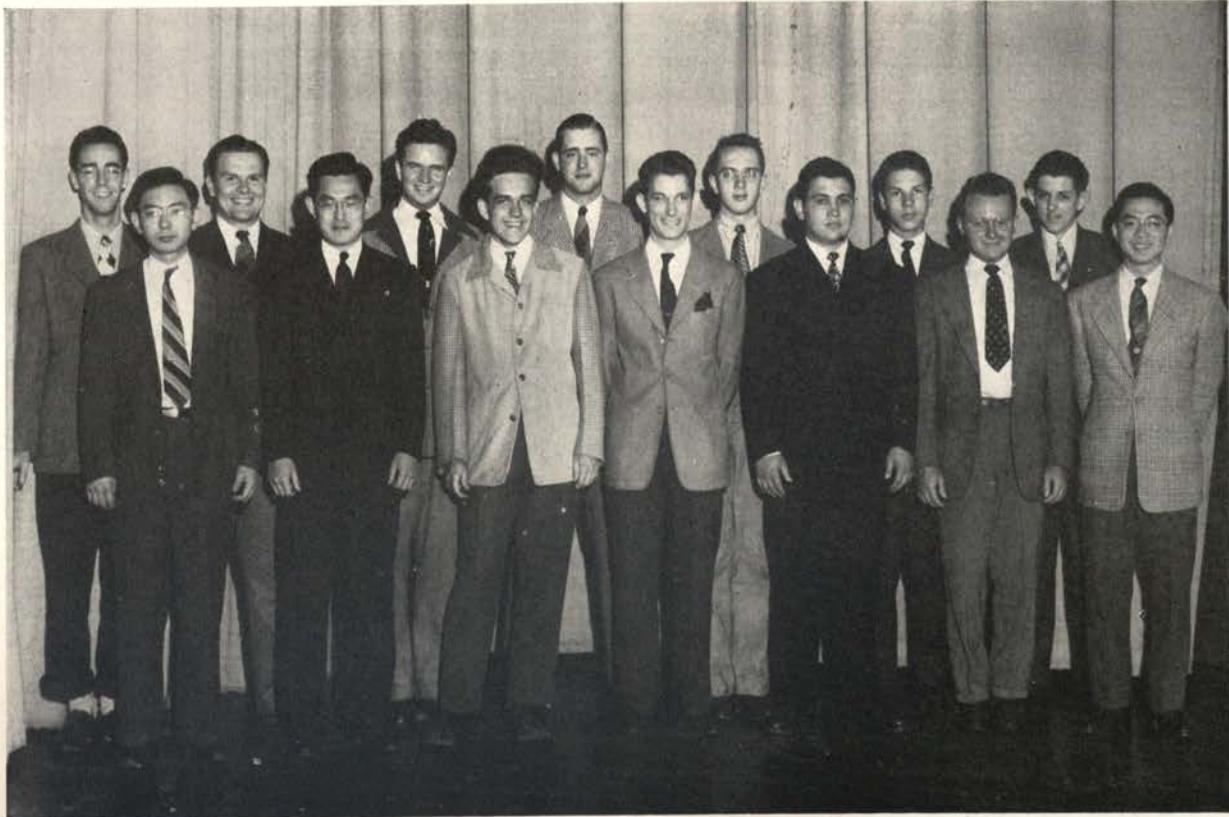
The student branch of the American Institute of Mining and Metallurgical Engineers was established on the campus so that the students of the mining and metallurgy departments might better discuss the problems currently confronting their fields. The organization holds monthly meetings where talks are given by students themselves as well as by men prominent in this type of engineering. Important and valuable information is brought to the students through their monthly journal and through their informal discussions and talks.

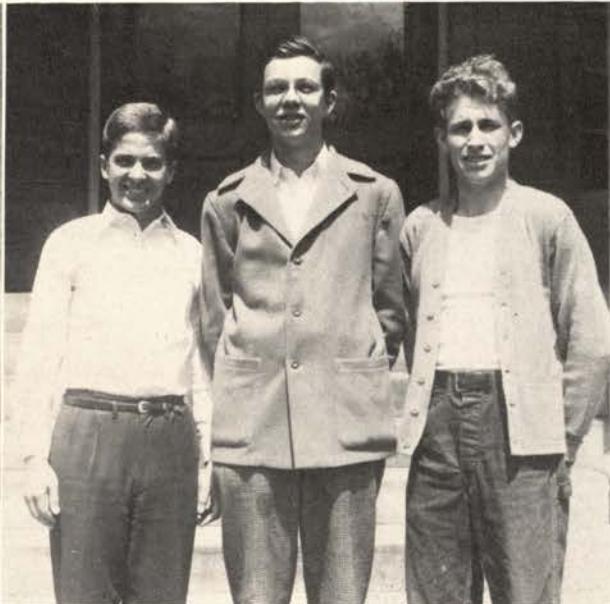
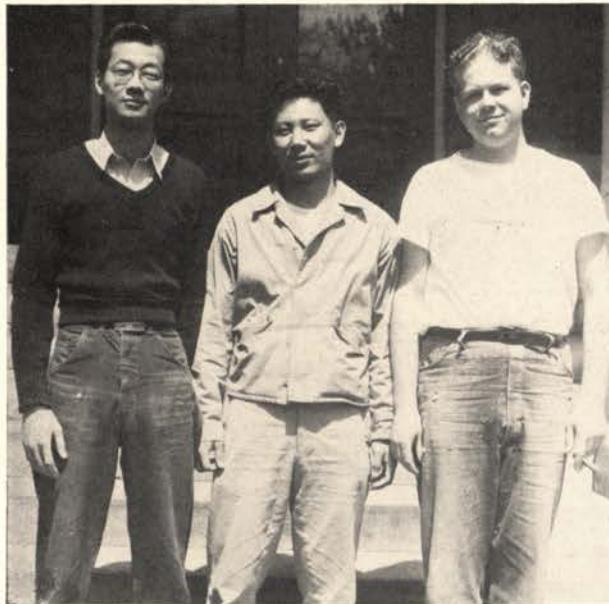
### OFFICERS

<i>President</i> .....	Elmer Milz
<i>Vice President</i> .....	Gene McDowell
<i>Secretary</i> .....	M. Kawaguchi
<i>Treasurer</i> .....	Leon Eriiv

### MEMBERS

Bill Broderick	M. Kawaguchi	Willard Schaeffer
Basil Buterbaugh	R. Kuwamoto	Joel Teel
Leon Eriiv	Gene McDowell	Herbert Tweddle
M. Hayase	Elmer Milz	Bob Schmidt
Kay Ikeuye	Harold Oberwartman	Bill Ellerman
Howard Fowler	Fred Richardson	Rigo Saenz





#### CLASS OFFICERS

##### SENIORS

President ..... H. Webers  
Vice President ..... H. Yee  
Treasurer ..... M. Suda  
Secretary ..... W. Break

##### JUNIORS

President ..... J. McKelvey  
Vice President ..... J. Vogt  
Secretary ..... G. Grant  
Treasurer ..... D. Daniels

##### SOPHOMORES

President ..... J. Maddox  
Vice President ..... K. Lee  
Secretary ..... A. Dasso  
Treasurer ..... W. Ellerman

##### Fall

W. Ellerman  
H. Galavis  
T. Morrow

##### Spring

W. Ellerman  
H. Galavis  
T. Morrow

##### FRESHMEN

President ..... L. Casey  
Vice President ..... G. Abrell  
Secretary ..... R. Barrick  
Treasurer ..... J. Masterson

W. Rufus  
P. Aubuchon  
B. Stuart  
H. Meyer





*Sophomore Class*



*Freshman Class*

## **SOPHOMORES**

Alderman, James D.  
Altman, Frank Edward  
Bay, Robert Dewey  
Bennett, Charles William  
Bennett, Paul M., Jr.  
Bermel, Peter Frank  
Bishop, William Wright  
Blaich, Charles Jerome  
Boza, Jorge Hector  
Branson, Cecil Alva  
Broderick, William Louis  
Casler, James Jay  
Casselman, Howard Marion  
Chaney, James Byron  
Collier, Joe William  
Dasso, Andres Thomas  
Dean, Donald Lee  
Den Boer, John Harry  
Devine, Thomas George  
Eason, Donald Eugene  
Eyberg, Walbridge Powell  
Firman, Eugene Francis  
Flanagan, William Joseph  
Fuldner, Arthur Herman  
Gaulden, Ernest Gerald  
Gebhardt, Paul W.  
Goodenough, Keith Elmer  
Griffith, William Louis  
Hayase, Massashi  
Henning, Paul  
Hoover, Don William  
Hughes, James Wilton  
Kline, Frank Edward  
Lantis, Robert Alexander  
Lane, Richard James  
Lee, Kenneth Quintin  
Maddox, James Arthur  
Mann, Horace Thorpe  
Miller, Fred James  
Morrow, Thomas Homer  
Ryan, Thomas George  
Salisbury, Thomas Richard  
Schaefer, Rodney Arthur  
Shibata, Harry  
Sullivan, John Aloysius  
Teel, Joel Helm  
Werner, Charles H.  
Williams, Raymond Joseph

## **FRESHMEN**

Abrell, Glenn William  
Allbaugh, Donald Nathan  
A'varez, Joseph

Aubuchon, Pierre Marvin  
Barrick, Robert Glenn  
Berry, Helen Frances  
Bess, Samuel Cobb  
Biever, Carl A.  
Bottermuller, Charles Adolph  
Branson, Donald Ansley  
Brown, William Robert  
Buchanan, Gordon Cletis  
Buchanan, John David  
Bueker, Edgar Louis  
Casey, Larry Joseph  
Collins, John Thomas  
Collins, William Wesley  
Copeland, Roy Edward  
Crow, Raymond Harrison  
Demaris, Lloyd Wilmer  
Dempsey, William Sherman  
DePrimo, Tony John  
de Queiroz, Richard  
DeWoody, Eugene Evans  
Doeling, Robert Frederick  
Donnan, David Alex  
Dorflinger, Wallace Lee  
Downey, William James  
Drennan, John Andrew  
Ecklund, Charles Alfred  
Fernow, Robert Hill  
Fischer, Edward Preston  
Fischer, Irwin Otto, Jr.  
Fisher, James Roswell  
Franklin, Sidney A.  
Frick, William Malvin  
Gambill, Thomas Sylvester  
Gianino, Jasper Joseph  
Goodhue, Dorothy Ruth  
Graf, Ernest Edward  
Gregory, Robert Oscar  
Grevillius, John Arnold  
Crosse, Charles Wallace  
Hansen, Robert Clinton  
Hauser, Wiley Joseph  
Hechinger, Carl Joseph  
Hechinger, Leo Hippolyt  
Hoe'scher, Clifford Harold  
Holmes, Gerald Doss  
Hunt, James Richard  
Inmann, John Coleman  
Isbell, Clarence Audra  
Johnk, Robert Ernst  
Jones, Ralph Kent  
Kaiser, William Frederick  
Kinkead, James Alfred  
Kissick, Wilbur Dean  
Kite, Darrell, Jr.  
Krath, Jay Ennis

Kram, Paul  
Kuse, Quentin Fred  
LaPage, Joseph Anthony  
Leonard, Martin Francis  
Lombard, Harold Frederick  
McEnnis, Michael Joseph, Jr.  
MacKenzie, Ralph Edward  
Masterson, John Melvin  
Mattlage, Raymond Frederick  
Merritt, Dwight Allan  
Mertz, Ruth Mae  
Meyer, Harvard Henry  
Miller, Lester Leo  
Milligan, Thomas Kent  
Morrow, Richard Glen  
Mottin, Ralph Elmer  
Niemiller, Kenneth Jack  
Niewoehner, Kenneth Earl  
Nishioka, James Toru  
Norwood, Donald Dwight  
Olfe, Carl Otto  
Perrey, John Dudley  
Peterson, David Phillip  
Pfirman, Erwin Thomas  
Pickett, Ray Edgar  
Rixmann, Donald John  
Rolaff, Eric  
Roloff, Don Vernon  
Rother, Billy Jack  
Ruffner, William Lindbergh  
Schaeffer, Willard Ardell  
Schirmer, William Adolph  
Schoene, William Harvey  
Schultz, Donovan George  
Schuster, Martin Earl  
Schnert, William Francis  
Sinz, Edward Martin  
Smith, Virgle Jackson  
Snowden, James Russell  
Sparling, Bruce Enoch  
Strauser, Charles David  
Stuart, Billy Eugene  
Swantner, Andrew Francis  
Theerman, Harold Bernard  
Trettenero, Leslie Angelo  
Tryon, John Ancil  
Walsh, Michael Joseph  
Wenzell, Robert Pickett  
Whincap, John Rawlings  
Whitaker, Charles Richard  
Wiese, Richard Vern  
Wohlt, Robert Philip  
Wood, Robert Charles  
Wundrack, William Albert  
Yamamoto, Donald  
Younghaus, Richard Paul

# STUDENT ACTIVITIES



# Phi Kappa Phi

The M. S. M. chapter of Phi Kappa Phi was founded in 1920, and has for the past twenty years steadily served as an incentive to the students for more efficient and thorough pursuit of their studies. Among the various honor societies on the M. S. M. campus, this has the distinction of being the most coveted. Basing its entrance requirements upon high scholarship, exceptional character, and service, it accepts only men who have developed to a high degree the various qualities essential to the true scholar. Membership is limited to the upper ten per cent of the graduating class. The chapter annually awards bookplates to the upper fifteen per cent of each class.

## OFFICERS

<i>President</i> .....	C. W. Eshbaugh
<i>Vice-President</i> .....	M. H. Cagg
<i>Journal Correspondent</i> .....	J. M. Willson
<i>Secretary-Treasurer</i> .....	W. J. Jensen

### FACULTY MEMBERS

Butler, J. B.	Muilenburg, G. A.
Cagg, M. H.	Rankin, R. M.
Carlton, E. W.	Schrenk, W. T.
Clayton, C. Y.	Williams, R. Z.
Cullison, J. S.	Willson, J. M.
Eshbaugh, C. W.	Woodman, L. E.
Frame, F. H.	STUDENT PLEDGES
Grawe, O. R.	Schalk, F. H.
Hanley, H. R.	Schmitz, F. W.
Jensen, W. J.	Boyd, R. H.
Kershner, K. K.	Ozawa, J. K.
Mann, C. V.	Yee, H. C. S.
Miles, A. J.	Yoder, C. B.

# STUDENT ACTIVITIES

## Tau Beta Pi

Tau Beta Pi is an honor engineering fraternity whose aims and goals are truly expressed by this preamble: "To mark in a fitting manner those who have conferred upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates or by their attainments as alumni; and to foster a spirit of liberal culture in the Engineering schools of America."

The Society of Tau Beta Pi was founded at Lehigh University. The M. S. M. chapter was founded on December 21, 1906, and has been active ever since.

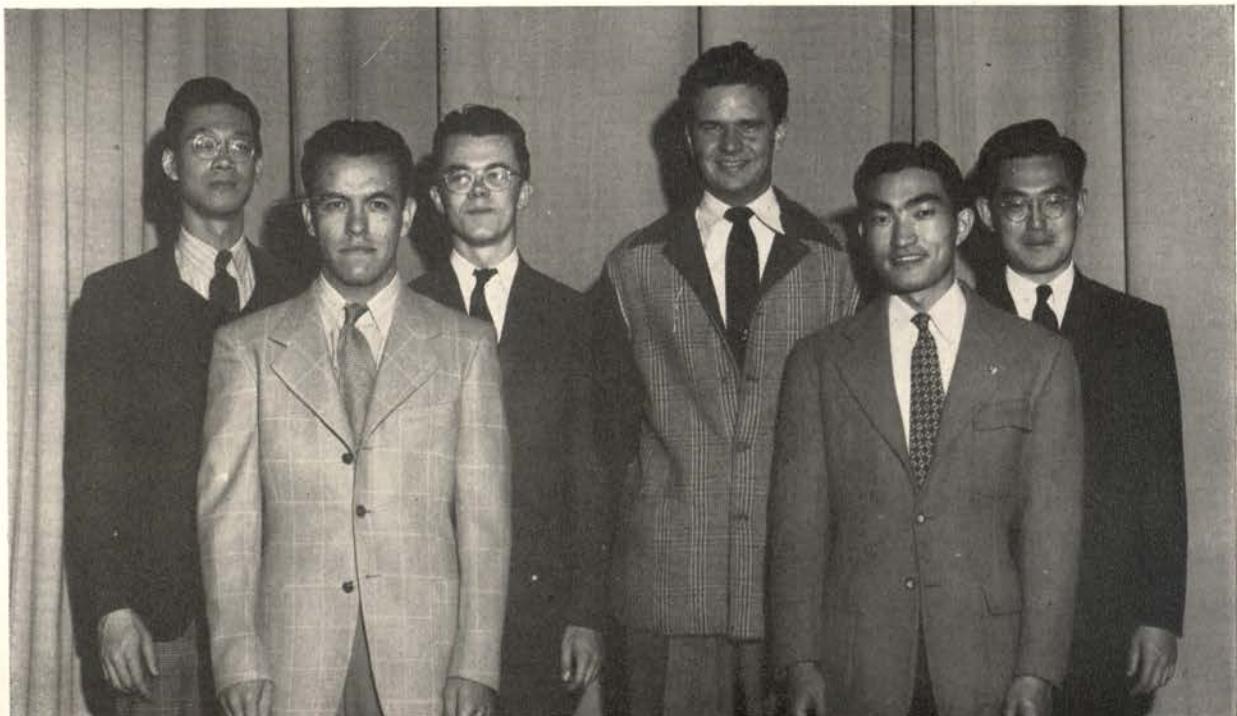
Each year it elects to membership those members of the graduating class who have ranked high scholastically and have participated in extra-curricular activities as well.

### OFFICERS

President .....	H. C. S. Yee
Vice President .....	F. Schmidt
Secretary .....	J. M. McKelvey
Treasurer .....	S. Pagano

### MEMBERS

Schmidt, F. W.	Meyer, D. I.
Stoecker, W. F.	Milz, E. A.
Yee, H. C. S.	Nelson, N.
Kawaguchi, M. J.	Ozawa, J.
McKelvey, J. M.	Pagano, S.





## Theta Tau

Theta Tau was founded at the University of Minnesota, October 15, 1904. The eighth chapter, the Iota Chapter of the Missouri School of Mines, was established here on February 5, 1916. Theta Tau is a national professional engineering fraternity, not an honorary fraternity. Its membership is chosen from those considered to have superior engineering ability.

The purpose of the organization is to stimulate a high standard of professional interest and ethics among its members. The rituals and ceremonies of the meetings are in themselves symbolic of this purpose.



MEMBERS  
Carl Finley  
Arthur Meenen  
R. H. Boyd

### OFFICERS

Regent .....	Bob Schmidt
Vice-Regent .....	Roy Boyd
Treasurer .....	Art Meenen
Scribe .....	Don Meyer
Inner Guard .....	Fred Richardson

MEMBERS  
Don L. Meyer  
Fred Richardson  
Bob Schmidt

# STUDENT ACTIVITIES

## Blue Key

Blue Key is a national honorary, non-social fraternity. Its primary purpose is service, in any way possible, to the school.

Members of Blue Key are chosen from the upper fourth of their class and must have indications toward leadership and be active in events on the campus. Candidates for pledging are judged upon personality, character, good fellowship, and willingness to serve the school.

This year the chapter has been very active and has provided many service achievements. Some of them are the compilation and publication of a student directory, a smoker for freshmen ushering facilities at school affairs, and awarding of shingles to the upper ten per cent of the freshmen class.

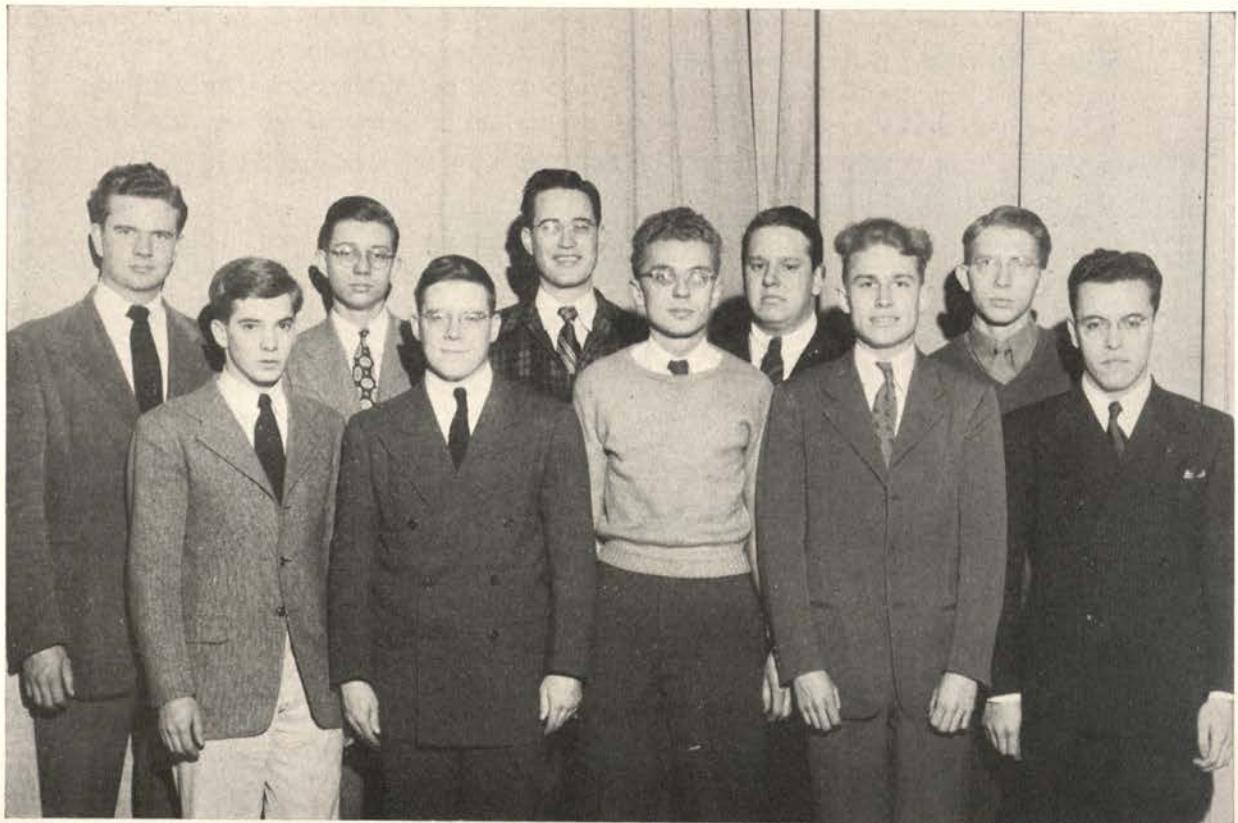


### OFFICERS

	<i>Fall 1944</i>	<i>Spring 1945</i>
President .....	Carl Finley	Syl Pagano
Vice-President .....	Syl Pagano	George Grant
Secretary-Treasurer .....	Will Stoecker	Art Meenen

### MEMBERS

C. E. Finley George Grant	T. D. Daniels Donald Meyer	Earl Shank Syl Pagano	Elmer Milz Robert Murray	Jim McKelvey Art Meenen
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## Alpha Phi Omega

The Beta Omicron Chapter of Alpha Phi Omega was founded on the M.S.M. Campus in the Spring of 1939. The membership is limited to students who at some time have been associated with the Boy Scouts of America. The fraternity's aims are to promote service and to live by the Scout Oath and Law.

The organization extends to the campuses of over a hundred colleges and universities.

The services of the local chapter this semester include: a program in collaboration with the State Highway Patrol of fingerprinting the student body; Keep Off the Grass campaign; assistance to the local Boy Scout Troop; and others.

### MEMBERS

Robert F. Schmidt  
Edward P. Fischer  
Lawrence Bahn  
Carney Fesler  
Bill Bennett

### OFFICERS

President	Bill Bennett
Vice-President	Edward P. Fischer
Secretary	Donald E. Eason
Treasurer	Woodward R. McPhee
Sergeant-at-Arms	William Schoene
Historian	Willard A. Schaeffer

Woodward R. McPhee
Willard Schaeffer
Kay K. Ikeuye
William Schoene
Donald E. Eason

# STUDENT ACTIVITIES

## Glee Club

The Missouri School of Mines Glee Club was started in the fall of 1942. It is one of the few musical organizations on the campus, being composed of students who like to sing and want to give enjoyment to others through music.

The Glee Club was presented in a Christmas program and has planned other public appearances for the year. Since January 1943, the group has been under the very capable direction of D. H. Erkiletian, a faculty member of the mathematics department. Their performances have been enjoyed enthusiastically by the audiences.

### MEMBERS

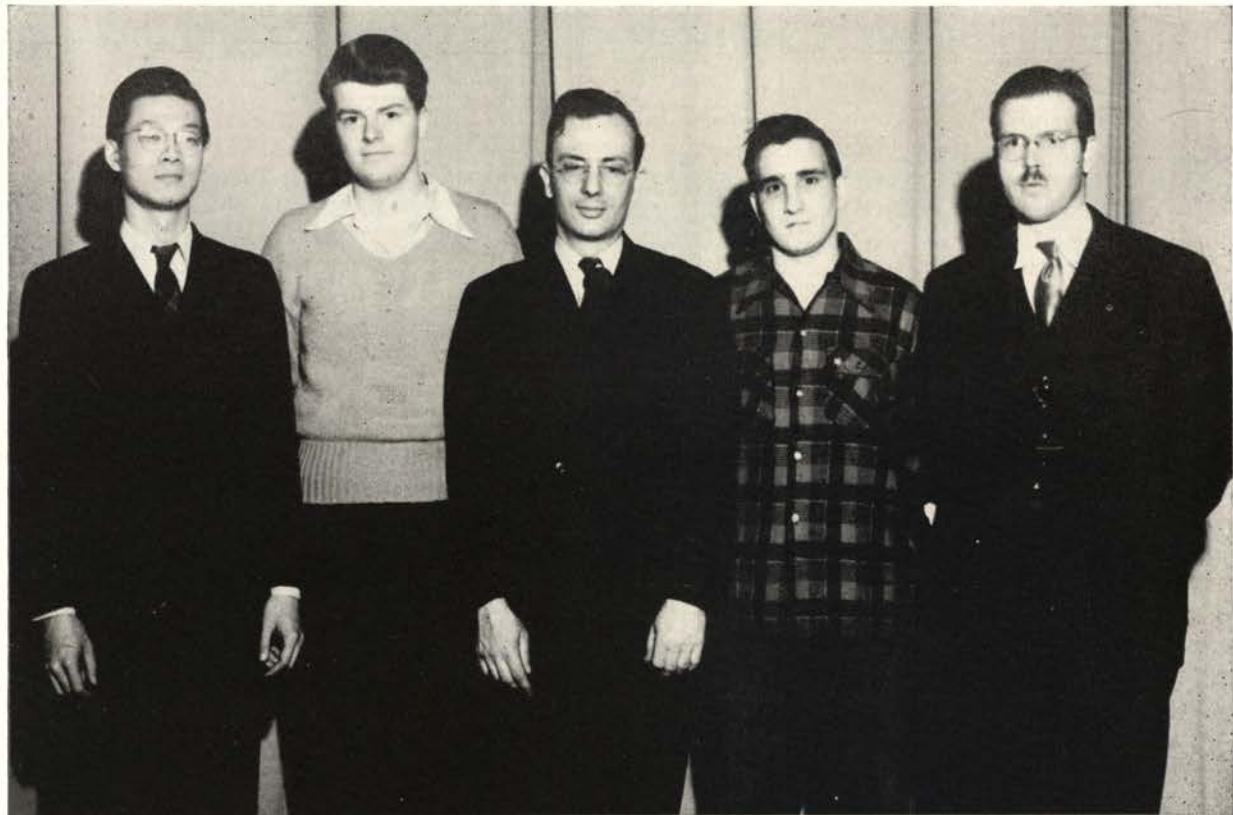
D. N. Allbaugh  
C. W. Bennett  
C. H. Branson  
W. L. Broderick  
J. D. Buchanan  
J. T. Collins  
T. G. Devine  
P. W. Gebhardt  
K. E. Goodenough  
E. E. Graf  
R. C. Hansen

### OFFICERS

President ..... W. Stoecker  
Vice-President ..... J. Cox  
Librarian ..... C. Isbell  
Pianist ..... A. G. West

G. D. Holmes  
J. Kaiser  
M. S. Kawaguchi  
H. Lombard  
K. E. Niewoehner  
B. J. Rother  
V. J. Smith  
J. H. Teel  
W. Wundrack  
W. Bishop





## Photography Club

The Photography Club has been on the Missouri School of Mines Campus for a number of years. It is comprised of students and faculty members who have photography as a hobby. The Club maintains and equips one of the most extensive darkrooms for the use of its members. In normal times it sponsors photographic contests and displays photos on a bulletin board in Norwood Hall.

### MEMBERS

H. Yee  
J. Buchanan  
C. Blaich

M. Livingood  
G. Campbell  
J. Sisk

# Rifle Club

The Rifle Club of the Missouri School of Mines consists of members of the student body who are interested in rifle shooting, most of whom have taken ROTC and have carried it over from Rifle marksmanship. The Club is sponsored by the Military Department backed by the Army and the Missouri School of Mines. It has the use of a fine range, excellent equipment, and superior tutorage.

The club was formed to promote an interest in rifle marksmanship and to further the idea of sportsmanship. Aside from making available the range for practice, the club sponsors an Intermural Rifle Shoot every other semester. Members of the club who are now taking ROTC are now firing in correspondence matches. These matches include the Hearst Trophy Match and the Seventh Service Command Intercollegiate Match.

## MEMBERS OF THE M.S.M. RIFLE CLUB

President	R. Williams	Secretary	L. Casey
Vice-President	G. Grant	Treasurer	T. Devine
R. Barrick	G. Feyerabend	W. Kaiser	W. Schaeffer
J. Boza	C. Finley	J. Krath	W. Schirmer
C. Branson	H. Galavis	K. Lee	D. Schultz
G. Buchanan	W. Griffith	M. Leonard	H. Shibata
A. Dasso	M. Hayase	F. Kline	R. Tappmeyer
C. Davis	C. Hechinger	A. Lindberg	R. Vreeland
T. DePrimo	J. Holmes	J. Maddox	W. Weber
D. Donnan	J. Hughes	H. Mann	C. Wehking
J. Drennan	K. Ikeuye	J. McKelvey	R. Wood
W. Ellerman	C. Isbell	J. Masterson	W. Wundrack
W. Eyberg	R. Johnk	R. Matthews	





## Campus Veterans' Association

The Campus Veterans' Association, an organization of veterans of World War II who are on the campus of the Missouri School of Mines, was formed in the fall of 1944. This group has associated together for the purpose of fostering comradeship among the men who have given their services to their country in time of need and for mutual helpfulness in their relations to their school and community.

Since its organization last fall, the Campus Veterans' Association has planned several activities. Among other things the members are planning to form an honor roll of the names of all present and former students of the Missouri School of Mines who are or have been in military service in the war. They expect to take an active part in all campus athletic and scholastic activities.

### OFFICERS

#### *Fall Semester*

Commander	M. J. McEnnis
Vice-Commander	James R. Snowden
Secretary	B. J. Sparlin
Treasurer	John Masterson
Service Officer	Carl Finley
Chaplain	Andrew Swantner
Sergeant-at-Arms	Howard Fowler

#### *Spring Semester*

M. J. McEnnis
John Grevillius
John Masterson
Bill Sehnert
Howard Fowler
Francisco Ferreira
Al Kehner

### MEMBERS

M. J. McEnnis  
B. J. Sparlin  
J. Snowden  
H. Lombard  
T. Morrow  
J. Krath

R. Tappmeyer  
R. Copeland  
C. Donahue  
J. Grevillius  
S. Franklin  
E. M. Hogan

H. Fowler  
W. Sehnert  
J. Masterson  
A. Swantner  
A. Kehner  
J. Smith

F. Ferreira  
C. Finley  
B. Brown  
R. Whittaker  
R. Mathews  
R. Boyd

# STUDENT ACTIVITIES

## Missouri Miner

The Missouri Miner is published every Tuesday of the regular term by a staff of editors and reporters composing the Miner Board. Besides serving as a medium of exchange of student ideas, it has a two-fold purpose: that of general coordination of the Missouri School of Mines, and that of offering an opportunity for engineers to learn the craft of writing.

The Miner Board is organized into Editorial, Business, and Circulation Departments. Membership in each of these departments is attained by serving as a tryout for a period of one school year.

Now in its thirty-first year the Miner is still striving to maintain previous standards though greatly restricted by the war.

### EDITORIAL STAFF

W. R. McPheeters  
W. A. Schaeffer  
Edward P. Fischer  
Ralph Mathews  
Carl E. Finley  
Roy Copeland

### OFFICERS

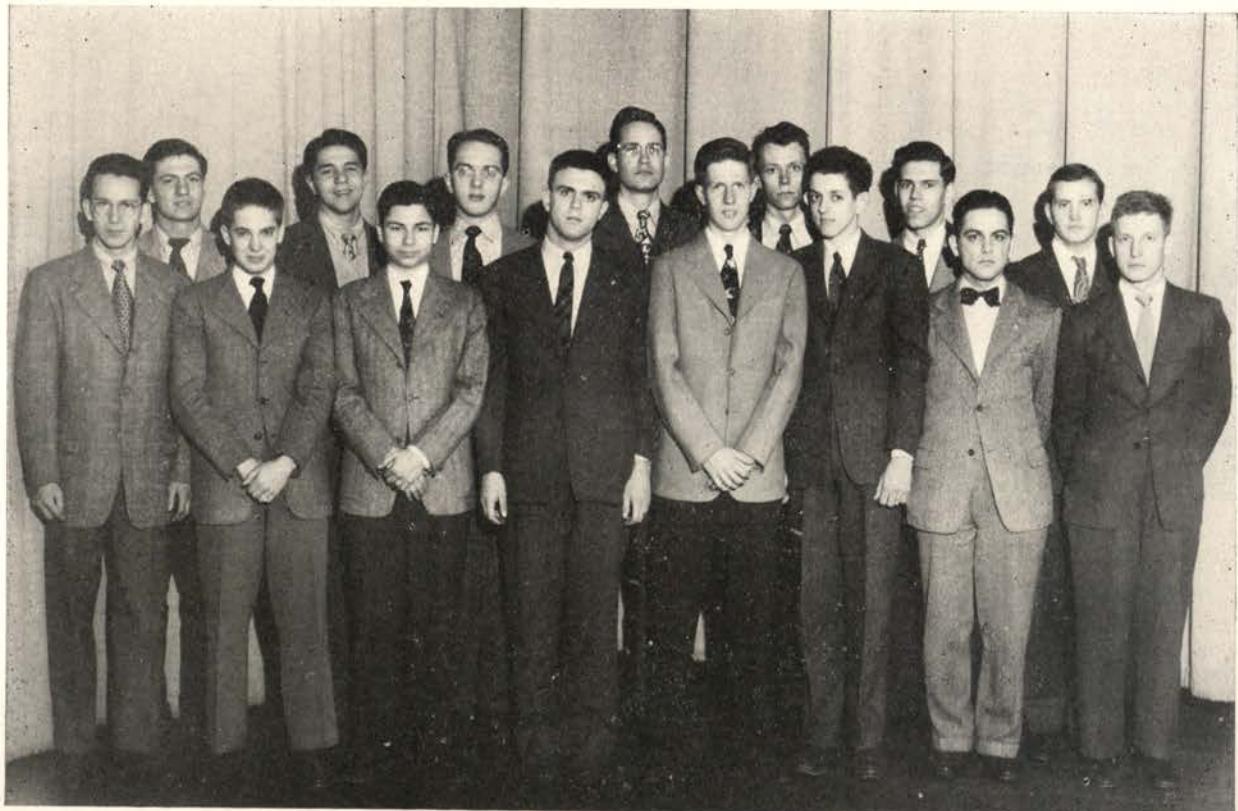
Editor-in-Chief ..... Bill Bennett  
Sports Editor ..... Dick Salisbury  
Business Manager ..... Charles Werner  
Circulation Manager ..... George Grant

### BUSINESS STAFF

Bill Stuart  
Pete Bermel  
Sherman Dempsey

### CIRCULATION STAFF

Wm. E. Ellerman  
Wm. L. Griffith  
Quentin F. Kuse





## Independents

The "Independents," organized in 1935, are the non-fraternity men of the campus who have banded themselves together for the purpose of accelerating their participation in numerous athletic, scholastic, and social activities on the campus. The organization meets the needs of the men who would have no other means of participation in campus activities.

The one requirement for membership in this organization is that the student not be a member of a fraternity. An independent student will become a member upon payment of annual dues, and any member in good standing may participate in the varied activities.

### MEMBERS

W. Bishop  
W. Broderick  
W. Brown  
G. Buchanon  
J. D. Buchanon  
P. Bennett  
R. Boyd  
W. Break  
J. Collier  
R. De Querioy  
R. Doisy  
D. Eason  
L. Eriiv  
H. Fowler

### OFFICERS

President	.....	Kay Ikeuye
Vice-President	.....	Bob Vreeland
Secretary-Treasurer	.....	Leon Eriiv
M. Hayase		P. Kram
J. Hughes		R. Kuwamoto
K. Ikeuye		Y. Kuwamoto
R. Johnk		C. Grosse
M. Kawaguchi		G. McDowell
W. Kehner		N. Nelson
F. Kerr		J. Nomi

J. Nishioka
H. Oberwortmann
F. Richardson
J. Rother
R. Schoefer
C. Strauser
M. Suda
J. Teel
H. Tweddle
R. Vreeland
R. Wenzel
K. Wilhelms
W. Wundrack
D. Yamamoto
H. Yee

# STUDENT ACTIVITIES

## Gamma Delta

Gamma Delta was founded at Washington University, St. Louis, Missouri. The Alpha Phi chapter was founded December 10, 1944, at the Missouri School of Mines by the Lutheran students on the campus.

The founders of the organization were Wilbert Stoecker, Ken Wilhelms, Richard Younghouse, Henry Kruse, William Ellerman, Hackman Yee, Quentin Kuse, Vernon Kasten, Tom Ryan, and Art Schamburg. Reverend G. B. Seager is the adviser for the chapter. This is the youngest fraternity on the campus, and membership is limited to Lutheran students only.

### OFFICERS

	<i>First Semester</i>	<i>Second Semester</i>
President	Wilbert Stoecker	William Ellerman
Vice-President	Art Schamburg	Vernon Kasten
Secretary	Henry Kruse	Henry Kruse
Treasurer	Ken Wilhelms	Ken Wilhelms

### MEMBERS

William Ellerman	Tom Ryan	Hackman Yee
Henry Kruse	Art Schamburg	Richard Younghouse
Quentin Kuse	Wilbert Stoecker	PLEDGE
Vernon Kasten	Kenneth Wilhelms	Dave Peterson





## Interfraternity Council

The Interfraternity Council is composed of a senior and junior representative from each social fraternity on the campus. These members are elected by their own fraternity and each member may represent the feelings of his own fraternity on any matter coming before the council.

The council plans the social rushing, activities of the fraternities and sponsors the annual Interfraternity Sing.

### OFFICERS

President .....	Elmer Milz
Vice-President .....	Syl J. Pagano
Secretary Treasurer .....	Andre Dasso

### MEMBERS

<i>Fraternity</i>	<i>Seniors</i>	<i>Juniors</i>
Triangle .....	Syl J. Pagano	W. P. Eyberg
Theta Kappa Phi .....	William Sehnert	W. Flanagan
Kappa Sigma .....	Andre Dasso	W. Ellerman
Sigma Nu .....	Elmer Milz	
Sigma Pi .....	Vernon Kasten	R. A. Matthews
Pi Kappa Alpha .....	Robert Murray	B. Butterbaugh
Lambda Chi Alpha .....	Carl Finley	

# STUDENT ACTIVITIES

## Student Council

### OFFICERS

President .....	Hackman C. S. Yee
Vice-President .....	Kay Ikeuye
Secretary-Treasurer .....	Syl J. Pagano

### *Fraternity*

Triangle .....	Syl J. Pagano
Kappa Sigma .....	Rigo Saenz
Lambda Chi Alpha .....	Don Meyer
Pi Kappa Alpha .....	Bill Rutledge
Sigma Nu .....	George Grant
Sigma Pi .....	Ted P. Hentchel
Theta Kappa Phi .....	Helv Galavis

### *Independents*

Seniors .....	H. C. S. Yee
.....	W. L. Break
.....	J. Ozawa
.....	K. Ikeuye
Juniors .....	J. Nomi
.....	R. Doisy
Sophomores .....	J. Teel

### *Members*

### *Alternates*

Ray J. Williams
C. E. Hoelscher
Tom Ryan
Jim McKelvey
Charles Werner
Vernon Kasten
W. F. Sehnert

Roy Boyd
Gene McDowell
M. J. Kawaguchi
Leon Eriw
Bob Vreeland
Nils Nelson
M. Hayase





## The Governing Body

The Student Council at the Missouri School of Mines is an organization whose purpose is to maintain an efficient and just form of student government through its mutual relationship with the student body and the faculty.

The Council was founded in 1937, and has been functioning ever since that time. It is composed of fourteen students—seven representing the seven social fraternities and the remaining seven representing the independents.

As a means to maintaining a student government, the Council appoints the Rollamo and Miner Board of Control, Intermural Board, St. Pat's Board, Dance Dates Committees, and the General Lectures Committee. These committees exercise supervisory control over their respective activities. The Student Council also sponsors and regulates the Freshmen Hazing on Missouri School of Mines campus.

# STUDENT ACTIVITIES

## 1945 Rollamo Board

The primary function of the Rollamo Board is to compile and edit a lasting record of the activities of the students of the Missouri School of Mines. For this express purpose a board is chosen each spring, which, with the aid of tryouts, works throughout the succeeding year, gathering the pictures and data which represent the students at work and play. It is the faithful representation of the varied student interests which determines the success of the book; but, if emphasis is given to any particular group, it is to the Seniors, for to them the 1945 Rollamo should be a lasting remembrance of what they have accomplished during their stay on this campus. It is our hope that you will enjoy this, your 1945 Rollamo, as much today as in the years to come.



C. B. DAVIS  
*Editor-in-Chief*



#### OFFICERS

<i>Editor-in-Chief</i>	.....	C. B. DAVIS
<i>Business Manager</i>	.....	C. B. YODER
<i>Managing Editor</i>	.....	R. A. MATHEWS
<i>Sports Editor</i>	.....	J. KRATH
<i>Photography Editor</i>	.....	J. ROTHER

#### MEMBERS

C. B. DAVIS	J. ROTHER
C. B. YODER	R. SALISBURY
R. A. MATHEWS	AMY WEST
J. KRATH	K. NIEWOEHNER
S. PAGANO	C. ISBELL



*Business Manager*  
C. B. YODER

# STUDENT ACTIVITIES

## Engineers Club

### OFFICERS

President .....	Kay K. Ikeuye
Secretary-Treasurer .....	Harold Oberwortmann

### BOARD OF CONTROL

#### *Junior Representatives*

Bob Vreeland  
N. K. Nelson

#### *Sophomore Representatives*

John Buchanan  
Mush Hayase

### MEMBERS

W. L. Break	J. W. Hughes	J. K. Ozawa
W. L. Broderick	K. K. Ikeuye	F. R. Richardson
G. Buchanan	R. E. Johnk	F. W. Schmitz
J. D. Buchanan	P. D. Johnson	H. H. Shibata
E. L. Bueker	M. J. Kawaguchi	B. J. Sparlin
E. Chestnut	P. Kram	C. Strauser
J. W. Collier	S. R. Kuwamoto	Miles Suda
R. De Querioz	Y. Kuwamoto	J. H. Teel
J. A. Drennen	A. W. Lindberg	K. Uyetake
L. Eriiv	G. K. McDowell	R. M. Vreeland
S. Fujimoto	M. J. McEnnis	D. Yamamoto
R. C. Hansen	N. K. Nelson	H. C. S. Yee
M. Hayase	Jack Nomi	R. Wenzel
D. W. Hoover	J. H. Oberwortmann	B. Wundrack

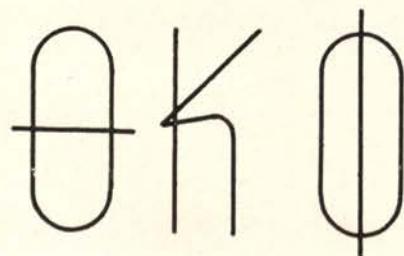


The Engineer's Club, organized in 1934, was founded for the purpose of providing wholesome, economical meals for many of the Independent students. It now remains the only organization of its kind on the campus. The club maintains a high standard of living for its members and brings the students closer together to promote interest in school activities. Its members have taken an active part in campus sports and have established an enviable record for themselves.

The Engineer's Club is ruled by a board of control, the members of which are elected on the basis of their interests, activities, and personality.



# STUDENT ACTIVITIES



## Theta Kappa Phi

### OFFICERS

President	.....	H. J. Galavis
Secretary	.....	W. F. Sehnert
Treasurer	.....	W. F. Flanagan

### MEMBERS

A. Olivares
H. J. Galavis
W. F. Flanagan
T. G. Devine
T. J. Casey
W. F. Sehnert

### PLEDGES

M. E. Leonard
F. R. Kline
F. Ferreica
R. E. Mottin
L. H. Hechinger
C. J. Hechinger
F. M. Scovell



Mu of Theta Kappa Phi, formerly the Mercier Club, dates back to 1936 on the M.S.M. campus. The Mercier Club was organized by a group of Catholic students in April 1925 and continued as such until 1936 at which time it joined the National Catholic Fraternity of Theta Kappa Phi.

During the following, Mu Chapter has grown in the national organization until it now possesses the National Efficiency Trophy for chapter efficiency and the Sun Trophy for the best chapter publication.

Founded: September, 1925.

Mu Chapter, November 29, 1936.





Kappa Sigma was founded at the University of Virginia on December 10, 1869. The Beta Chi Chapter was chartered at Missouri School of Mines on November 5, 1903, and was one of the original three social fraternities which were chartered here in that year.

Since then Beta Chi has taken a leading part in the activities of the school which included the winning of the track meet in the spring of 1944 and also a very successful Kostume Karnival given in January of 1945.





## Kappa Sigma

### OFFICERS

President ..... Earl M. Shank  
Vice-President ..... Rigo Saenz  
Master of Ceremonies ..... Andres Dasso  
Secretary ..... Jay Krath  
Treasurer ..... Eugene DeWoody  
Guards ..... Jorge Boza, William Schirmer  
Assistant Secretary ..... Clifford Hoelscher

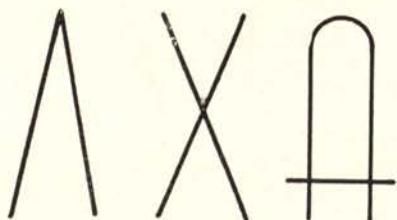
### MEMBERS

Earl M. Shanks  
Andres Dasso  
Jorge Boza  
Rigo Saenz  
Clifford Hoelscher  
Jay Krath  
William Schirmer  
John Whincap  
Eugene DeWoody

### PLEDGES

Dwight Merrit  
Charles Eckland  
Eugene Firman  
Jasper Gianino  
Jack Sullivan  
Joe Alvarez

# STUDENT ACTIVITIES



## Lambda Chi Alpha

### OFFICERS

President ..... Arthur Meenen  
Vice-President ..... E. B. Buterbaugh  
Secretary ..... Don Meyer  
Treasurer ..... Dean Daniels

### MEMBERS

Don Allbaugh  
B. E. Buterbaugh  
Dean Daniels  
William Downey  
Carl Finley  
Ernest Gaulden  
Paul W. Gebhardt  
John Grevillius  
Gerald Holmes  
Clarence Isbell  
John Masterson

Arthur R. Meenen

Donald I. Meyer  
Lester Miller  
Kenneth Niewoehner  
Tom Ryan  
Wilbert Stoecker

### PLEDGES

Robert Lantis  
Michael McEnnis  
Don Roloff



Lambda Chi Alpha Fraternity was founded in 1909 on the campus of Boston University. The chapter now active on the M.S.M. campus originated in 1913 and was then known as the Mucker's Club. In 1917 this club was admitted to the fraternity as the Alpha Delta Zeta of Lambda Chi Alpha fraternity.

The house which the chapter now occupies was purchased in 1923. It is the oldest fraternity house on the campus, being built shortly after the close of the Civil War. It was damaged by fire during the 1944 Christmas vacation and has since undergone extensive remodeling.

Alpha Delta Chapter has participated actively in intramural sports of the school.

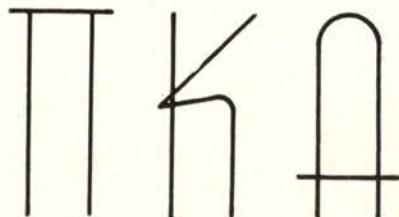




Pi Kappa Alpha Fraternity was founded at the University of Virginia March 1, 1868. The Alpha Kappa Chapter, one of the earliest social fraternities at Missouri School of Mines, dates back to November 28, 1905.

Alpha Kappa has taken a leading role in all campus activities and remains one of the outstanding social fraternities at Missouri School of Mines.





## Pi Kappa Alpha

### OFFICERS

#### *Fall Semester*

President	W. A. Rutledge
Vice-President	Carl B. Davis
Treasurer	R. E. Murray
House Manager	J. M. McKelvey

#### *Spring Semester*

President	W. A. Rutledge
Vice-President	R. E. Murray
Treasurer	R. A. Mathews
House Manager	J. M. McKelvey

### MEMBERS

P. M. Aubuchon
C. B. Davis
R. V. Gevecker
J. R. Hunt
R. A. Mathews
J. M. McKelvey
R. E. Murray
T. R. Pfirman
W. A. Rutledge
T. R. Salisbury
H. F. Schalk
D. G. Schultz
E. M. Sinz

### F. O. Sisk

W. G. Weber  
R. P. Wohlt  
R. C. Wood

### PLEDGES

S. C. Bess  
D. A. Branson  
W. W. Collins  
R. E. Copeland  
W. L. Dorflinger  
W. M. Frick  
R. E. MacKenzie  
D. J. Rixmann

# STUDENT ACTIVITIES



## Sigma Nu

### OFFICERS

Commander ..... E. A. Milz  
Lt. Commander ..... W. E. Ellerman  
Recorder ..... R. Tappmeyer  
Treasurer ..... G. Grant

### MEMBERS

Thorpe Mann  
Pete Bermel  
Bill Ellerman  
Charles Werner  
Bill Griffith  
Don Dean  
Ronald Tappmeyer  
Elmer Milz  
Hank Kruse  
Charles Blaich  
Tom Morrow  
Bill Bennett  
George Grant

### PLEDGES

Dave Peterson  
Harvard Meyer  
Sherman Dempsey  
Quentin Kuse  
Charles Bottermueller  
Harold Theerman  
Bob Doelling  
Ed Fischer  
Jim Snowden  
Bill Ruffner  
Art Fulner  
Bill Schaeffer  
Bill Stuard  
Ray Pickett



The Sigma Nu Fraternity was founded at the Virginia Military Institute in 1869. Gamma Xi chapter of Sigma Nu was installed at the Missouri School of Mines in 1903, and was the first social fraternity on the campus.

Gamma Xi chapter was awarded the Intramural Sports Trophy for the 1944 fall semester, and also received the Interfraternity Sing Trophy last fall.

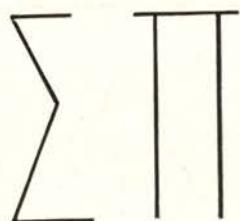




Alpha Iota Chapter of Sigma Pi, installed in May 1933, is one of the younger fraternities on the Missouri School of Mines campus. The chapter participates in all campus and fraternity activities.

The chapter has recently taken up residence in the large house on Rolla Street formerly occupied by Col. Hermann.





## Sigma Pi

### OFFICERS

President .....	Ted Hentchel
Vice-President .....	James Casler
Secretary .....	Larry Bahn
Treasurer .....	Vernon Kasten
Historian .....	Carney Fesler

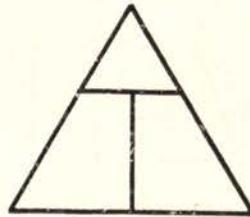
### MEMBERS

Larry Bahn
James Casler
Carney Fesler
Ted Hentchel
Vernon Kasten

### PLEDGES

Ray Jones
Charles Wehking

# STUDENT ACTIVITIES



## Triangle

### OFFICERS

#### *Fall Semester*

President ..... S. J. Pagano  
Vice-President ..... J. A. Maddox  
Recording Secretary ..... W. P. Eyeberg  
Corresponding Secretary ..... J. LaPage  
Treasurer ..... S. J. Pagano

#### *Spring Semester*

President ..... O. M. Olsen  
Vice-President ..... W. P. Eyeberg  
Recording Secretary ..... S. J. Pagano  
Corresponding Secretary ..... C. A. Branson  
Treasurer ..... R. J. Williams

### MEMBERS

C. A. Branson  
W. P. Eyeberg  
E. E. Graf  
J. A. LaPage  
J. A. Maddox  
O. M. Olsen  
S. J. Pagano  
R. J. Williams  
H. F. Webers

### PLEDGES

R. G. Barrick  
L. W. Demaris  
R. O. Gregory  
W. F. Kaiser  
V. J. Smith  
A. F. Swantner



Triangle is a National Professional Engineering Fraternity founded in the fall of 1906 at the University of Illinois. The Grubstaker's Club of the Missouri School of Mines was installed as the Missouri Mines Chapter of Triangle on December 10, 1927. Triangle has won the Interfraternity Council Scholarship Cup four times since the time it has been in circulation.



# SPORTS





## Coach Hafeli

Coach Hafeli, a graduate of Washington University, has been coach at Missouri School of Mines since 1941.

Coach Hafeli has quite a background in athletics. He played football for Washington University four years, and lettered three of them, also making all-state and all conference for three years. He was a member of the all-star team that beat the world champion Green Bay Packers team in 1937, for this he was given an all-American rating.

In basketball, he lettered three years and made all-conference, was heavy weight champion of boxing for four years and was the decathlon champion in track for the year 1933.

Due to the fact that the school of mines has lacked the man power to have varsity teams, the coach has not had much chance to show his ability.

We are planning to have a football team this coming year, even though we have but a few men to start with. Because of the small number of men, the coach has decided to have the "T" formation as his main line of offense. All plays will be run from this formation because of the inexperience of the men. More difficult plays will be avoided because the men will not know enough about college football to compete against teams that have the advantage of having two to three years more experience at the game.

The coach's strategy in this matter is to have a few simple plays, but to know them from start to finish, and to be able to run them fast and hard.

The intramural games have taken up much of the coach's time this year and he has taken care of them very satisfactorily. We sincerely hope that Coach Hafeli will be with us many more years to come and in that event we will be assured of a successful athletic department.

# SPORTS



## Intramural Football

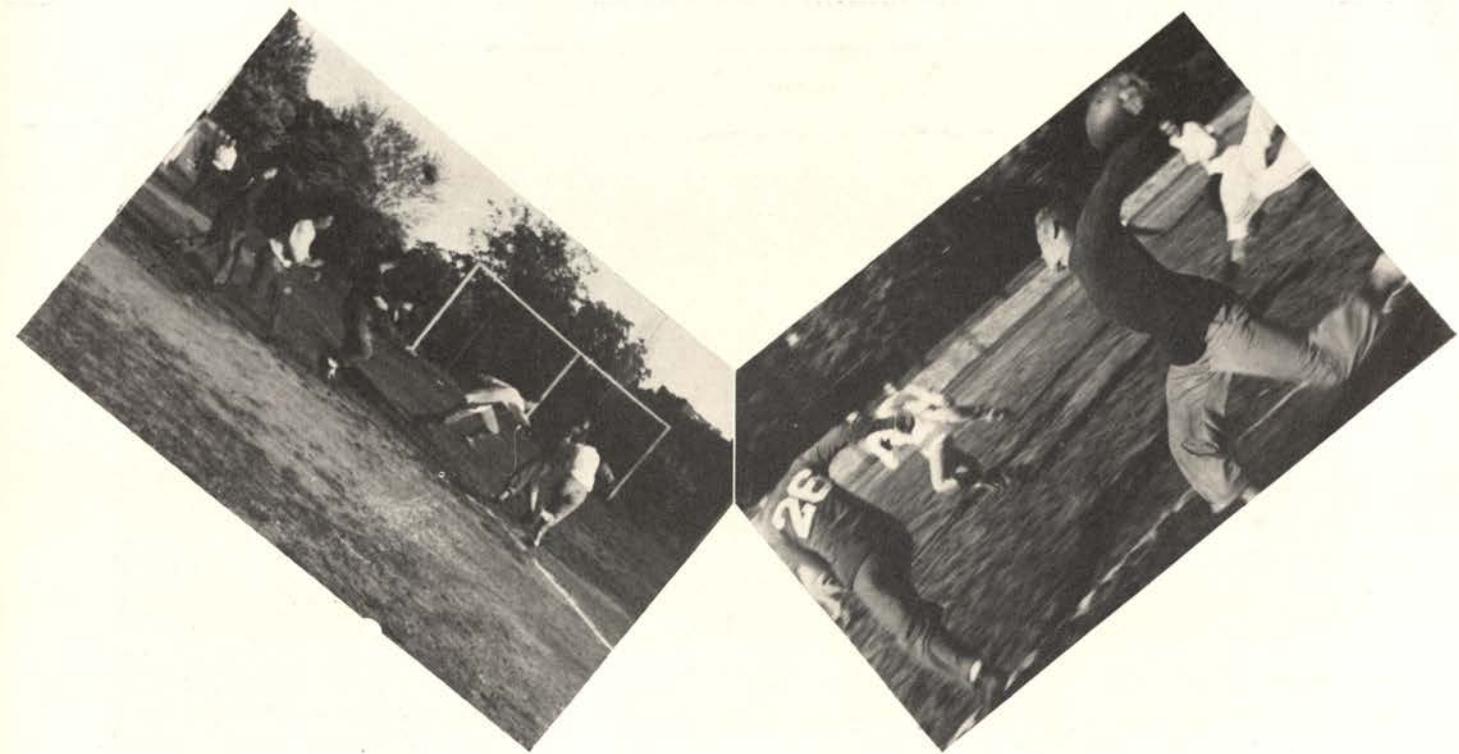
With the elimination of varsity football, the intramural football games were the main attraction this year. Although all teams were hard hit this year by the draft, most of them came through with strong teams.

Pi Kappa Alpha started their season strong and finished equally as such. The most striking feature of the team was the combination of Schultz at fullback with Sisk and Gevecker at ends.

The Engineers club was never pushed from their throne upon the top of the list, they had the most men to work with as always. The backfield of their team was unbeatable, the speed of Ozawa, Suda, Vreeland, and Ryan was the main reason their finishing in first place.

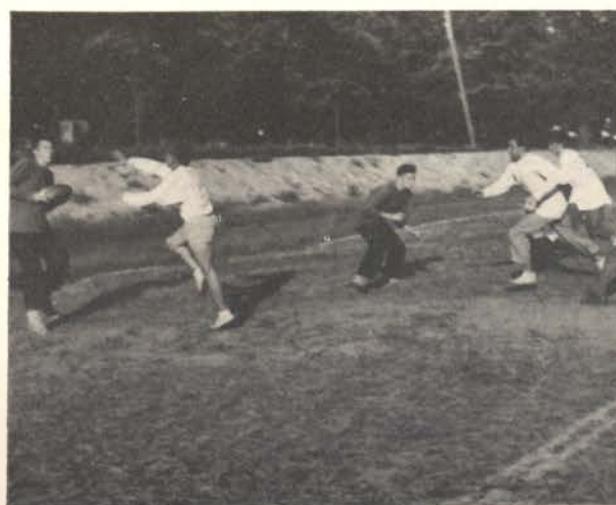
The Pi Kappa and Engineers club tied for first place, both winning nine and losing three.





INDIVIDUAL STANDINGS OF THE TEAMS ARE AS FOLLOWS:

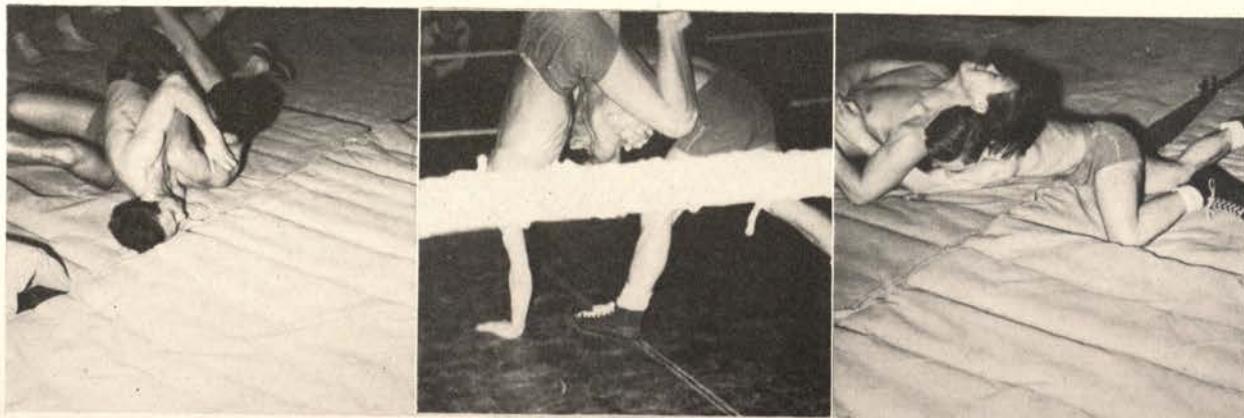
	Won	Lost
Pi Kappa Alpha	9	3
Eng. Club	9	3
Sigma Nu	8	4
Kappa Sigma	7	5
Lambda Chi Alpha	4	8
Theta Kappa Phi	2	10
Triangle	1	11

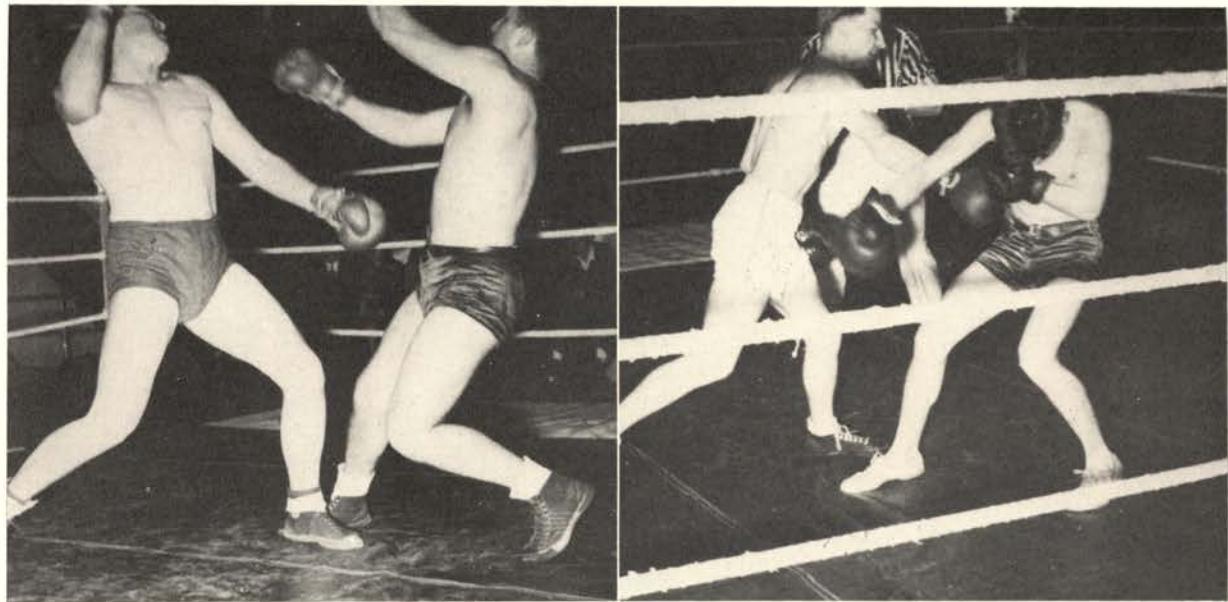




## Wrestling

118 lb.	Wood, Pi Kappa Alpha
126 lb.	Aubuchon, Pi Kappa Alpha
136 lb.	Nishioka, Engineers Club
145 lb.	Miller, Lambda Chi Alpha
155 lb.	Nomi, Engineers Club
165 lb.	Isbell, Lambda Chi Alpha
175 lb.	Fischer, Sigma Nu
Heavyweight	Buterbaugh, Lambda Chi Alpha





## Boxing

118 lb.	McKenzie, Pi Kappa Alpha
126 lb.	Alvarez, Kappa Sigma
136 lb.	Sullivan, Kappa Sigma
145 lb.	Williams, Triangle
155 lb.	Schirmer, Kappa Sigma
165 lb.	Tappmeyer, Sigma Nu
175 lb.	Ryan, Lambda Chi Alpha
Heavyweight	Lantis, Lambda Chi Alpha





## Cross Country

Place:

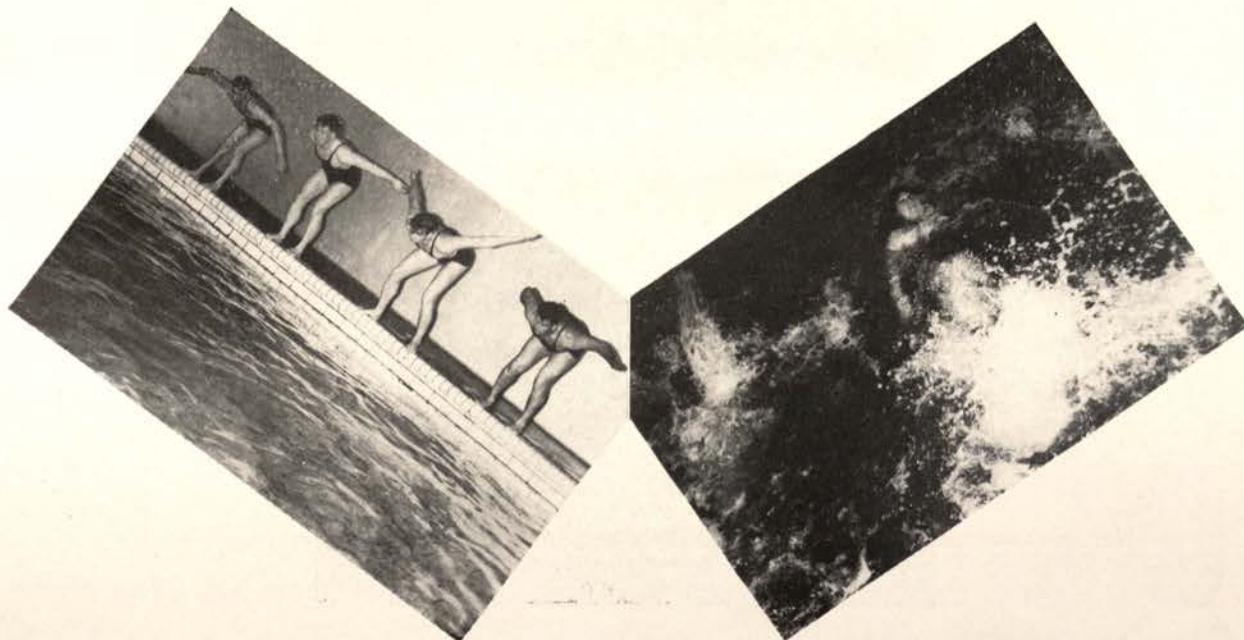
1. Daniels ..... Lambda Chi Alpha
2. Gevecker ..... Pi Kappa Alpha
3. Vreeland ..... Eng. Club
4. Grant ..... Sigma Nu
5. Casey ..... Theta Kappa Phi
6. Schirmer ..... Kappa Sigma
7. Holmes ..... Lambda Chi
8. Dean ..... Sigma Nu
9. Wood ..... Pi Kappa Alpha
10. Hechinger ..... Theta Kappa Phi
11. Hoelscher ..... Kappa Sigma
12. Jonck ..... Eng. Club

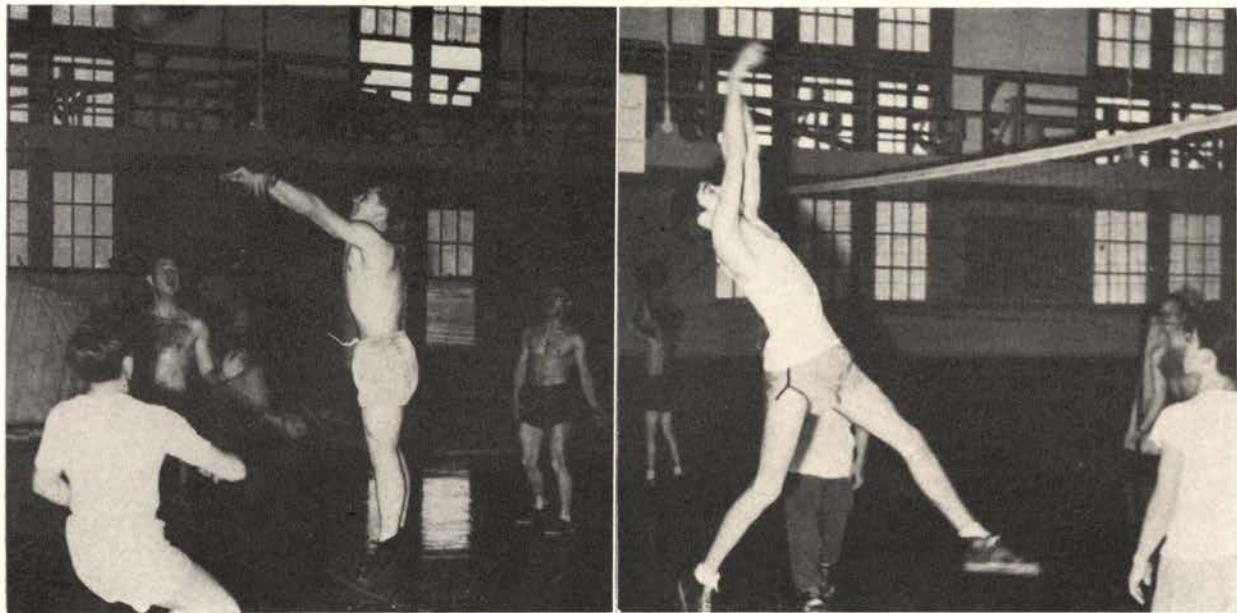
## Swimming

### WINNERS IN INTRAMURAL SWIMMING

*First, Second and Third Places*

120 Yd. Free Style	Williams, Milz, and Kuse
60 Yd. Free Style	Nishioka, Kuse, and Dean
120 Yd. Medly Relay	Eyeberg, Graff, and Williams
60 Yd. Individual Medly	Milz, Donnan, and Lantis
60 Yd. Breast Stroke	Williams
60 Yd. Back Stroke	Morrow, Graff, and Fisher
160 Yd. Free Style Relay	Dean, Kuse, and Blaich
Diving	Sparlin, Morrow, and Abrell





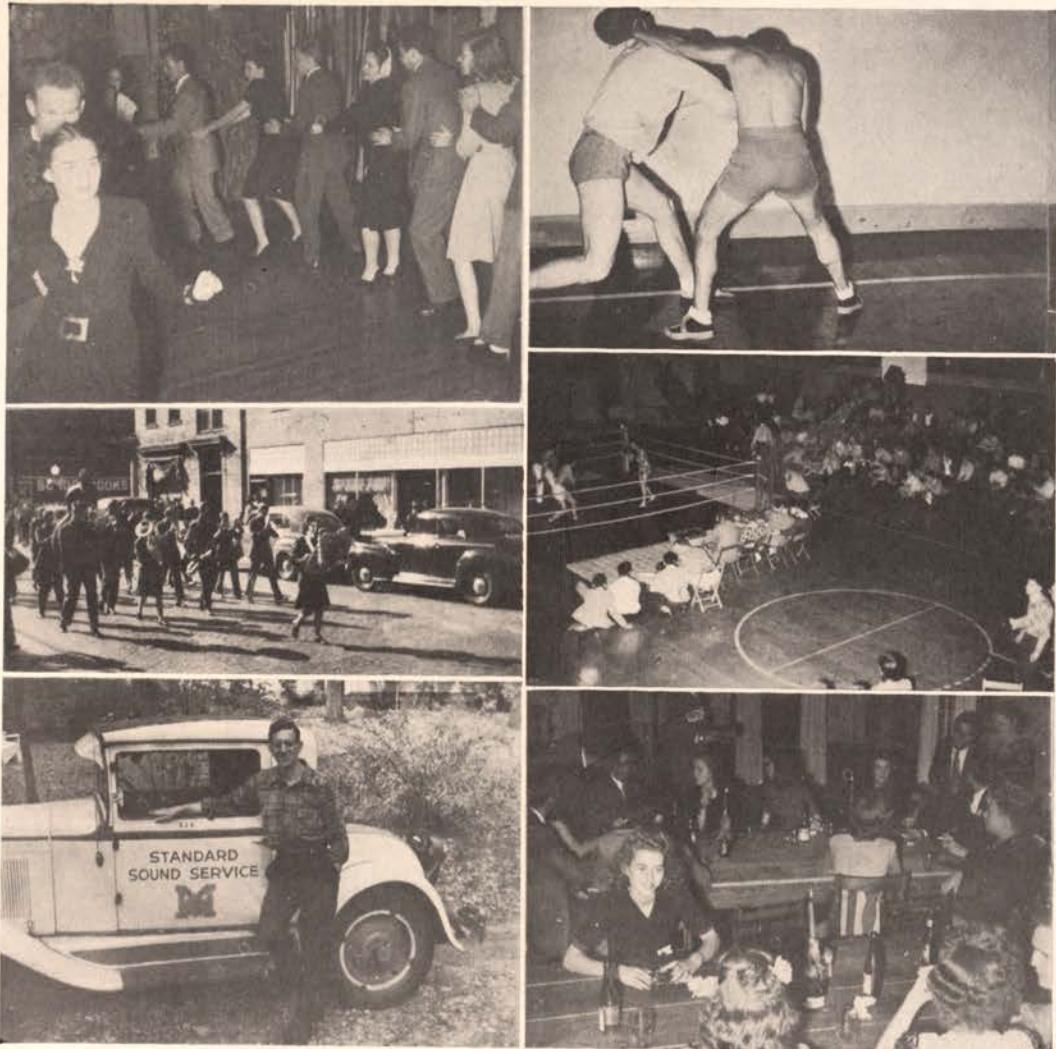
## Volleyball

### TEAM STANDINGS

	Won	Lost
Lambda Chi Alpha	7	0
Sigma Nu	6	1
Kappa Sigma	4	2
Engineers Club	4	3
Pi Kappa Alpha	4	3
Sigma Pi	1	6
Theta Kappa Phi	1	6
Triangle	1	6

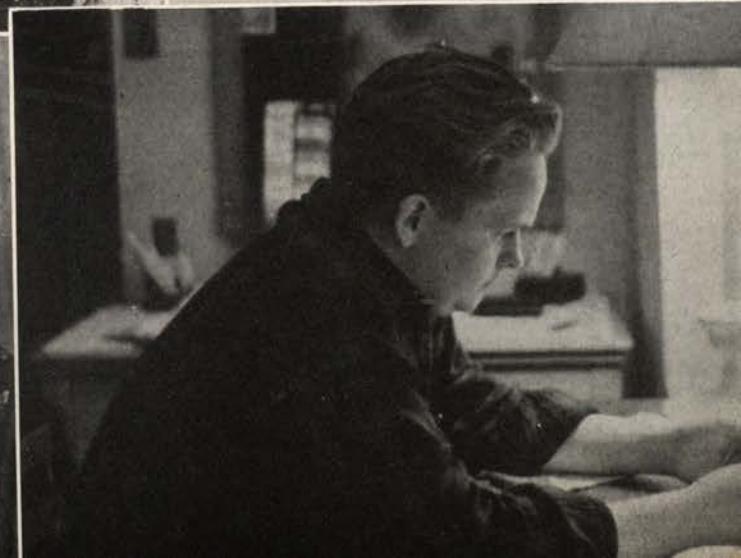


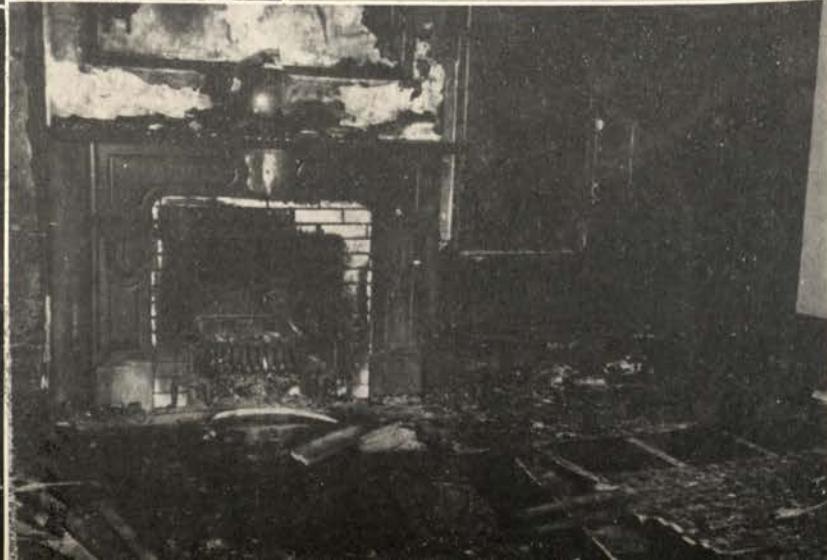
# SCRAP BOOK













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MEN'S FURN.  
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**COLD BEER** & **FIsh**

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ELABORATE LOUNGE COMFORT

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ROLLA, MISSOURI

*Manufacturers of "Pride of Rollamo"*

**BUTTER, ICE CREAM and ARTIFICIAL ICE**

*Distributors of Griesedieck Brothers and Schlitz Beer*

## SEPTEMBER

Poor freshmen step off train to be pinned by frats.

Please sign your name, only 100 times.

Several Pi K A freshmen visit the widow across the golf course.

Freshmen hazing kept to a minimum, it says.

Freshmen organize anyhow.

Rutledge makes first Miner and again and again.

Blue Key holds freshman smoker—frosh turn out in large number—free cigarettes.

Prof. Boyd seems to have forgotten about boid hikes.

Honest John once again operates on the incoming.

Intramural football gets underway.

The Little Red Playhouse holds first "drop in" of the fall season—Where were all the women??

MEET YOUR FRIENDS

at

# HARVEY'S RESTAURANT

705 PINE STREET

ROLLA, MISSOURI

# CRUMPLER'S

## STANDARD STORE

CLOTHING — SHOES — HOSIERY

FOR MEN

### OCTOBER

Frosh meet to elect class officers.

M. S. M. Military band reformed.

"Doc" Guest reminded that four trains leave Rolla daily.

Power plant blast fatal to Sam Tankersley.

Dewey selected as Miners' choice--little did they know.

Varsity basketball practice begins.

Sehnert organizes a "boid hike."

Goodenough gets wool removed.

Carl Davis selected to edit "Rollamo."

Schuster's toe gets broken--didn't you know milk cans were that heavy.

# 1945

## ROLLA STATE BANK

ROLLA, MISSOURI

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STRONG ENOUGH TO PROTECT YOU

SMALL ENOUGH TO KNOW YOU

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# JOHN M. SCHUMANS

MEN'S WEAR

Knox Hats

Arrow Shirts

Griffin Clothes

Brentwood Sportswear

Busy Bee Laundry and Dry Cleaners

## NOVEMBER

New deficiency rules become effective at mid-semester.

McKelvey elected head of Juniors.

Maddox elected Soph prexy.

"Junior" Younghaus still hanging on Lou's apron strings.

M. S. M. "All Stars" defeat Vichy Air Base—what was that Coach Hafeli said about not having material for a varsity team????

Sigma Nu holds pledge dance—heapum good success.

Downey holds position as "one in every crowd" after his episode at Sigma Nu dance.

Rifle Marksmanship becomes intramural sport.

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# NORTH-SIDE STORE

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**RAY REBURG**  
Owner

## NOVEMBER—Continued

Pi K A takes intramural grid title.  
Webers elected to head class of '45.  
Kappa Sigs sponsor Parents' Day.  
F. D. R. remains as peoples choice.  
Lambda Chi Harvest Dance proves huge success—Stoecker seemed to be hitting  
the purple passion a wee bit too hard.  
Ploeser returns—Younghaus plays in the band—too bad Richard.  
Cagers groom for intramural fight.  
Rollamo board approved by board of control.



# SCOTT'S

**THE MINERS' CO-OP AND BOOK EXCHANGE**

SCOTT BLDG.

57 YEARS AT 8TH AND PINE

## MINERS—

We have the largest Jewelry Stock in South Central  
Missouri

Come in and see what we have before buying  
We will save you money

**J. J. FULLER, Jeweler**

## DECEMBER

Student Council holds benefit show for War Memorial Plaque.  
Blue Key pledges five worthy men.  
Theta Tau pledges five men.  
Annual inter-frat song fest held—Sigma Nu proves to have all the Sinatras.  
Pre-registration for spring semester begins—not that again.  
Steiner loses track of gullible freshmen—turns charms on senior.  
Everyone home for Christmas Holidays—the poor freshmen who have Prof. Boyd.  
Hot time at Lambdi Chi over holidays.

*TO THE GRADUATES OF M. S. M. . . .*

Goodbye . . .

Good Luck . . .

. . . and . . .

God Bless You

TILL WE MEET AGAIN

**R I T Z**

YOUR

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## JANUARY

Big graduating class this year, 12, if lucky.

Sophomores pre-determine Freshman hazing—big laugh.

Richard Younghaus has a second love.

Kostume Karnival at Kappa Sigs, prize to Earl as Sultan.

1945 Rollamo announced to be on schedule. Little did they know.

K. A.'s decide to reorganize.

Sigma Nu wins intramural trophy, Pi K. A. came in for near second.

Finals come, Miners leave. Lucky seniors graduate.

Highway patrol gets wise and fingerprints miners.

Fingerprints come in handy in later months.

New semester begins (same old story).

Board of Visitors recommends \$4,000,000 (same old story).

Freshmen rules posted by well meaning sophomores.

Freshmen thumb noses at Rules and sophomores.

M. S. M. re-register 161 for spring semester (some record).

# ROLLA BAKERY

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EXCELLENT PRODUCTS

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## PENNANT HOTEL

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CIRCULATING ICE WATER — FREE GARAGE

R. E. CARNEY, Owner

A. A. SMITH, Mgr.

Popular Prices

### FEBRUARY

Freshmen must attend free show at Ritz.

Few do, many more don't.

Miners petition for return of St. Pat's Holiday.

Miners get holiday, all Sunday with no classes.

Tubes sinking in many fields, many tubes hit rock bottom.

Sehnert tries Trig again, again, again.

Freshmen begin to get accustomed to "What the hell! Don't you know your chemistry."

Forest fires in them thar hills.

Miners rush to the rescue for fame or for dinner at Newburg.

Blue Key gives smoker for freshmen—now called Orientation Lecture.

Missouri Miner comes out with three full pages—of nothing.

New ruling put on cuts, many Miners stay in school.

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WINES — WHISKEY — BEER

W. Eighth Street

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**75 Rooms**

Single \$2.00 .....	\$3.00
Double \$3.50 .....	\$5.00

**75 Rooms**

**POPULAR PRICED COFFEE SHOP**

## FEBRUARY—Continued

Local Gestapo has first round with Miners over House lights.

St. Pat's Committee give themselves mercy killing.

Frats decide to put on St. Pat's anyhow—Shamrock Shenanigans.

Varsity football for M. S. M. this spring.

Kappa Sigs well known romeo J. W. roaming the streets again.

Few freshmen de-pants all upper-classmen in sight.

Upper classmen decide to get even (sometime in 1947).

Solid week passes with no Miners being carried home from Pennant.

"Honest John" threatens Miner Board.

Miner Board says "shame."

Tappmeyer spending more and more time with the mgr. of John's emporium.

The maharajah, J. Harvey Renfrew, gets down off elephant.

# THE ROLLA HERALD

CHARLES L. WOODS, Publisher

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## MARCH

M. S. M. to have ROTC Band again this semester—\$30 easily earned.  
Local Gestapo start picking up Miners for questioning.  
Coach called snafu expert—Objects to such a term.  
Lambda Chi wins volleyball crown by last game of season with Sigma Nu.  
Rolla's parking meters painted red—the fuse is lit.  
Rowe's men spend day washing meters.  
March 17 . . . St. Pat's—The biggest dance of the year came off with the spirit any old Miner would be proud of.  
Miners thrown in jail for turning on stop light at 11 P. M.

*Drink A BITE TO EAT*



**DR. PEPPER BOTTLING CO.**

201 E. 8th St.

Phone 66

Rolla, Mo.

# THE M.F.A. CO-OP GROCERY

QUALITY MEATS AND GROCERIES

## MARCH—Continued

Miners come from Pe-nut to recue—lift jail doors off hinges and break into jail.

Late celebration on Eighth and Pine—stop light goes on.

The dean reprimands students, tells them "you 150 raise as much hell in this town as 1000 formerly did."

Intramural wrestling and boxing goes to Sigma Nu, Kappa Sigs, and Lambda Chis.

Nomi wins interscholastic fame as wrestler—bangs up Whirlaway.

Some screwball conceived the brilliant idea of calling all the frat houses and telling them there was a forest fire.

Football practice well underway—students seen limping around campus.

THE ORIGINAL  
**ROLLA LIQUOR STORE**  
AT THE FOOT OF PINE STREET

APRIL

Thirty-three men turn out for football practice.  
First bird-hike of the season.  
Lambda Chi and Sigma Nu lead intramural race.  
Mid-semester grades come out.  
Minister criticizes Miners in sermon; Miners criticize sermon—everything is O. K.  
Roosevelt dies: flags fly at half mast.  
LaPage has grade point trouble, as usual.  
Softball season starts.  
Theta Kaps throw Spring Dance; Galavis spends the evening guarding his date  
from the stags, or vice versa.  
Haefeli starts to build his swimming pool.  
Tappmeyer disappears with a case of Bourbon—Tapp turns up, Bourbon still  
missing.

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**CARPS, INC.**

SOCKS  
SHOES  
UNDERWEAR

**THE STORE  
WHERE YOU CAN DO BETTER!**

SHIRTS  
PANTS  
TIES

MAY

To promote tardiness to classes the school places benches everywhere you don't want to sit down.

Claims are made that benches keep students off grass during big dance weekend nites.

Interfrat bridge tournament championship goes to Sigma Nu.

City of Rolla drops jail break charge.

Bennett takes off his striped uniform, substitutes wings.

Triangles at long last have a dance and a success.

M. S. M. wins varsity football game—explanation, played self.

The Rollamo goes to press, soon we hope! ! !

# **EAVE'S DRUGSTORE**

**Wahlgreen Agency**



**MINERS ARE ALWAYS WELCOME**

**TEXTBOOKS AND SUPPLIES**

**FOUNTAIN SERVICE**

## ACKNOWLEDGMENTS

- The 1945 Rollamo Board wishes to express its appreciation to the following companies for their splendid cooperation and extreme patience in helping us to put out this annual.

STANDARD PHOTO SERVICE  
2600 Park Avenue      St. Louis, Missouri

and

ARTCRAFT PRESS  
10 Watson Place      Columbia, Missouri

# *Autographs*







